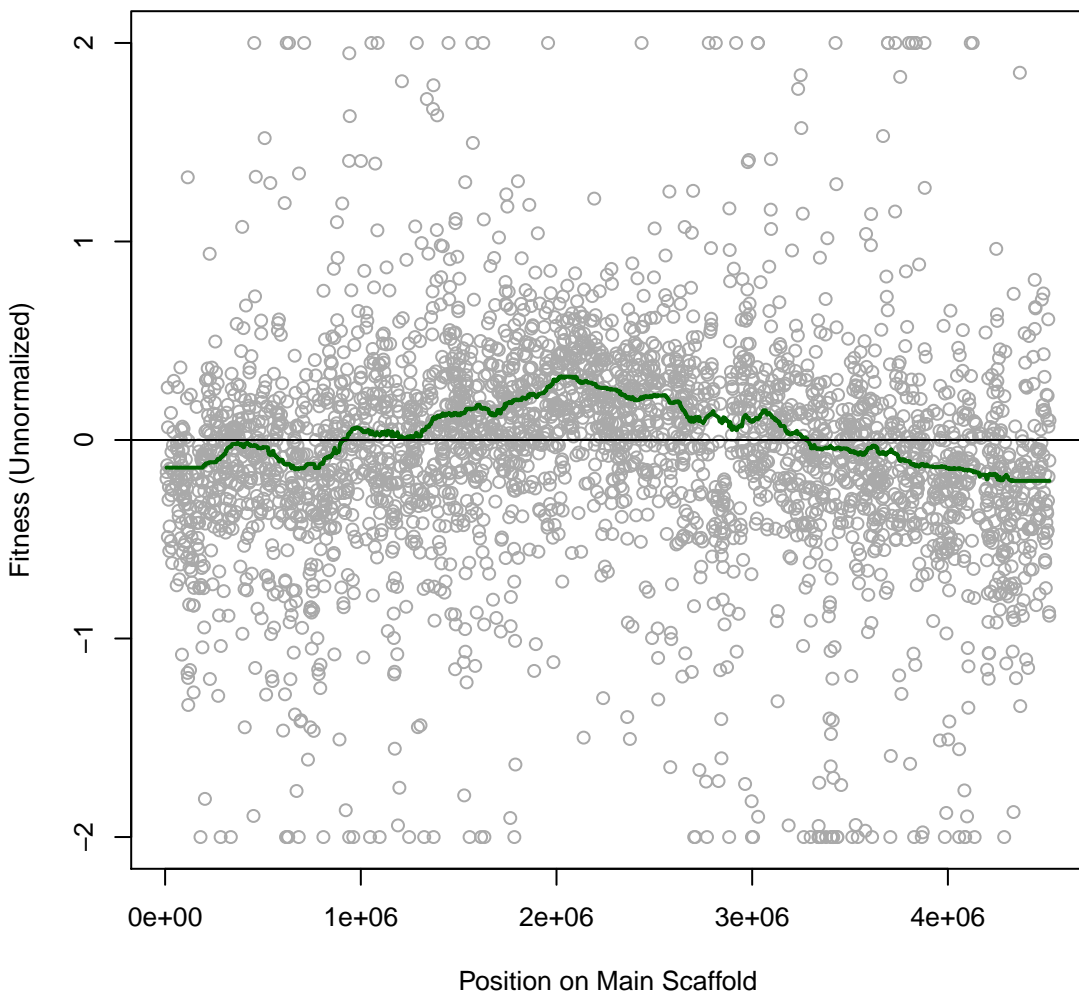
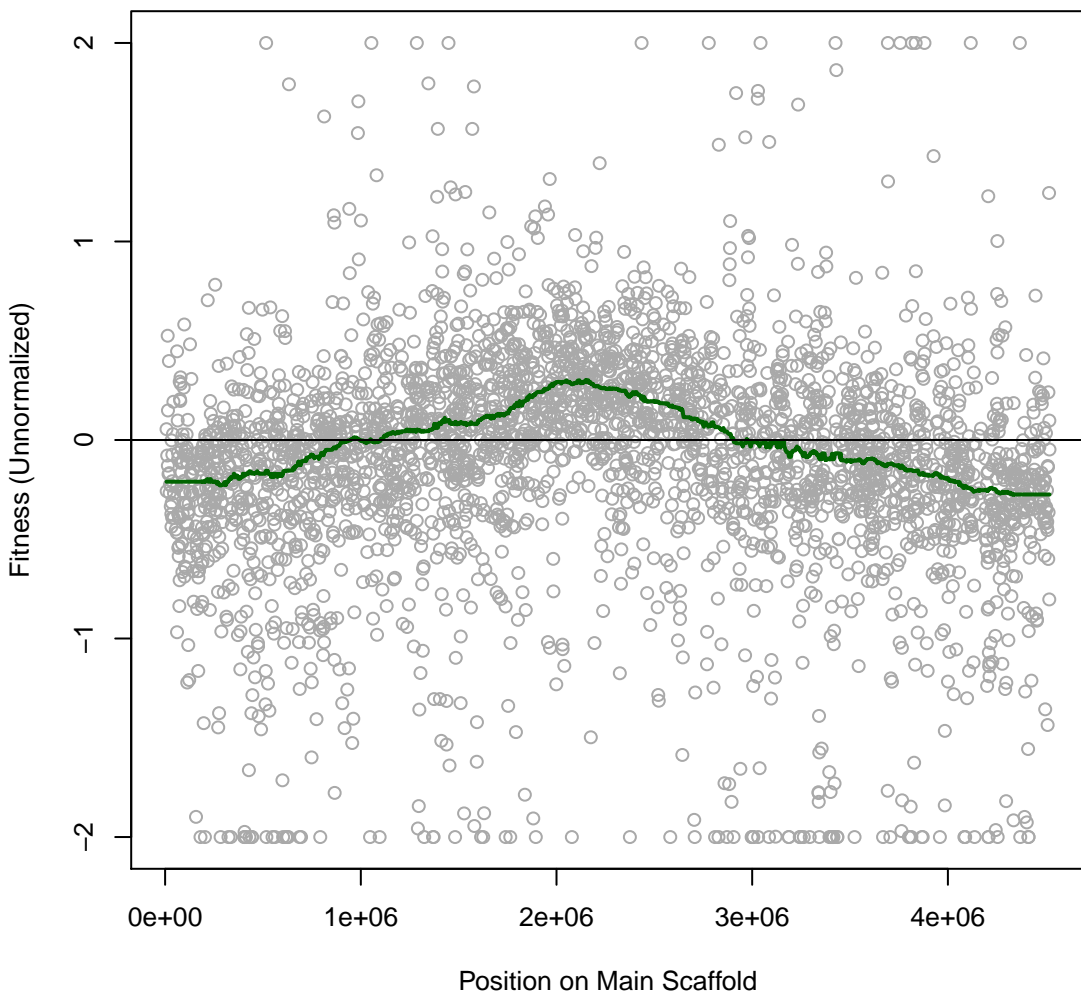


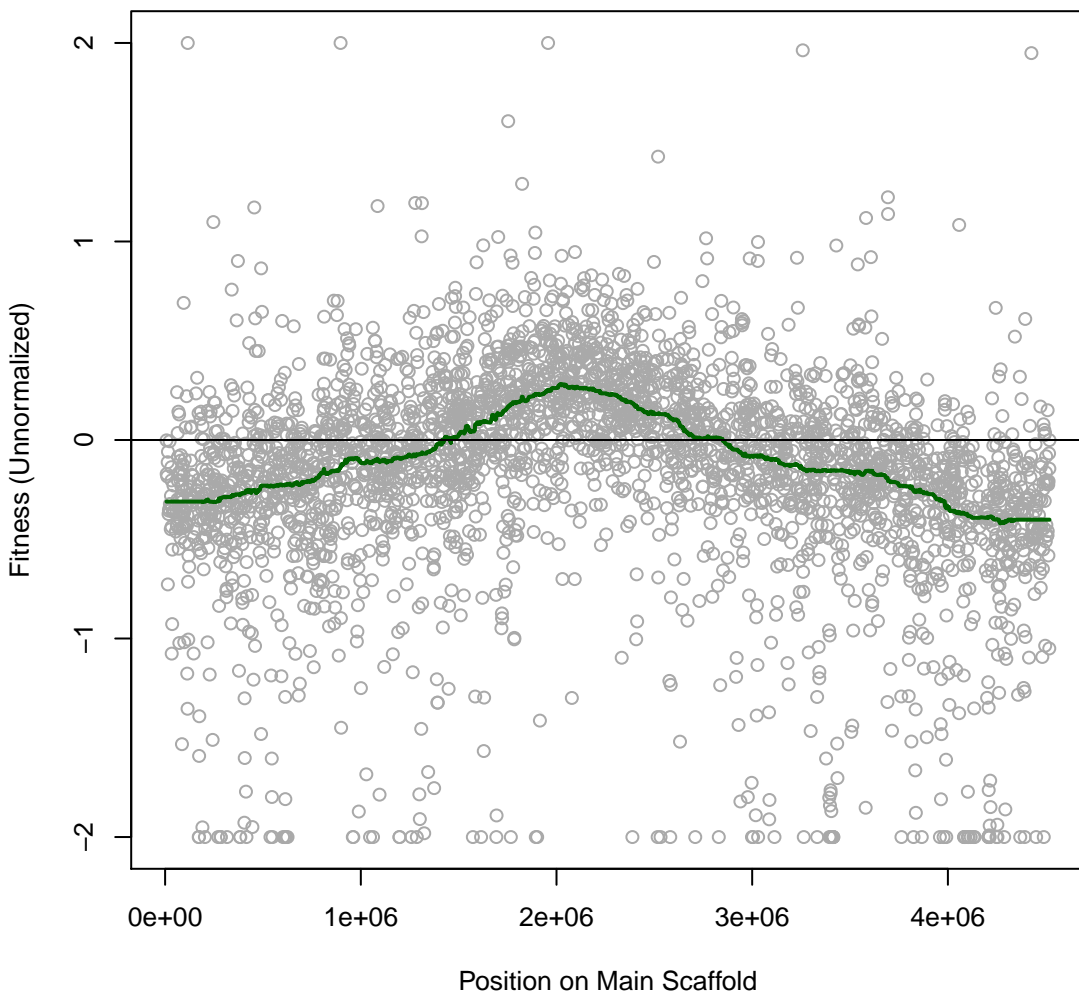
**Cup4G11 1IT001 #1 (gMed=51 rho12=0.162)**  
**R2A with Nickel (II) chloride 0.35 mM**



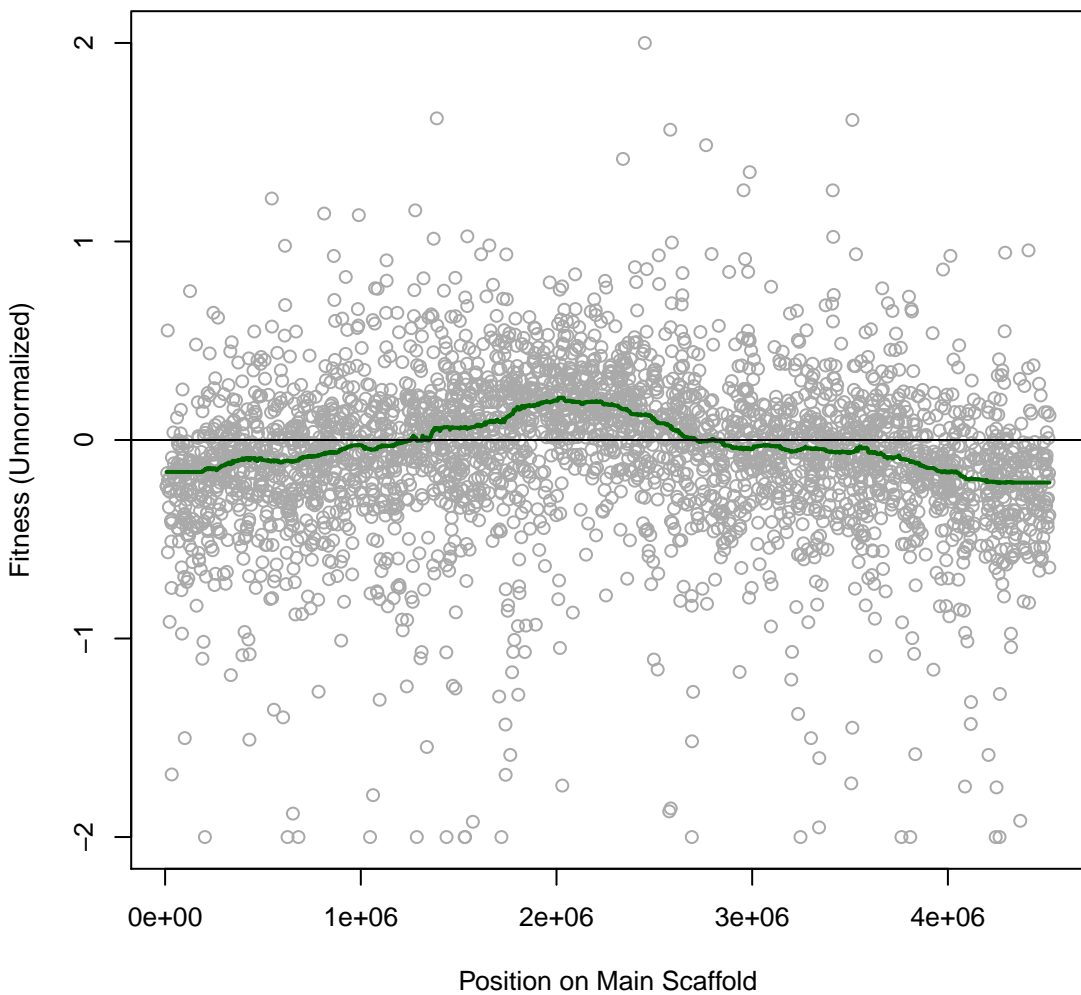
**Cup4G11 1IT002 #2 (gMed=70 rho12=0.185)**  
**R2A with Cobalt chloride 0.5 mM**



**Cup4G11 1IT003 #3 (gMed=72 rho12=0.122)**  
**R2A with copper (II) chloride 0.25 mM**

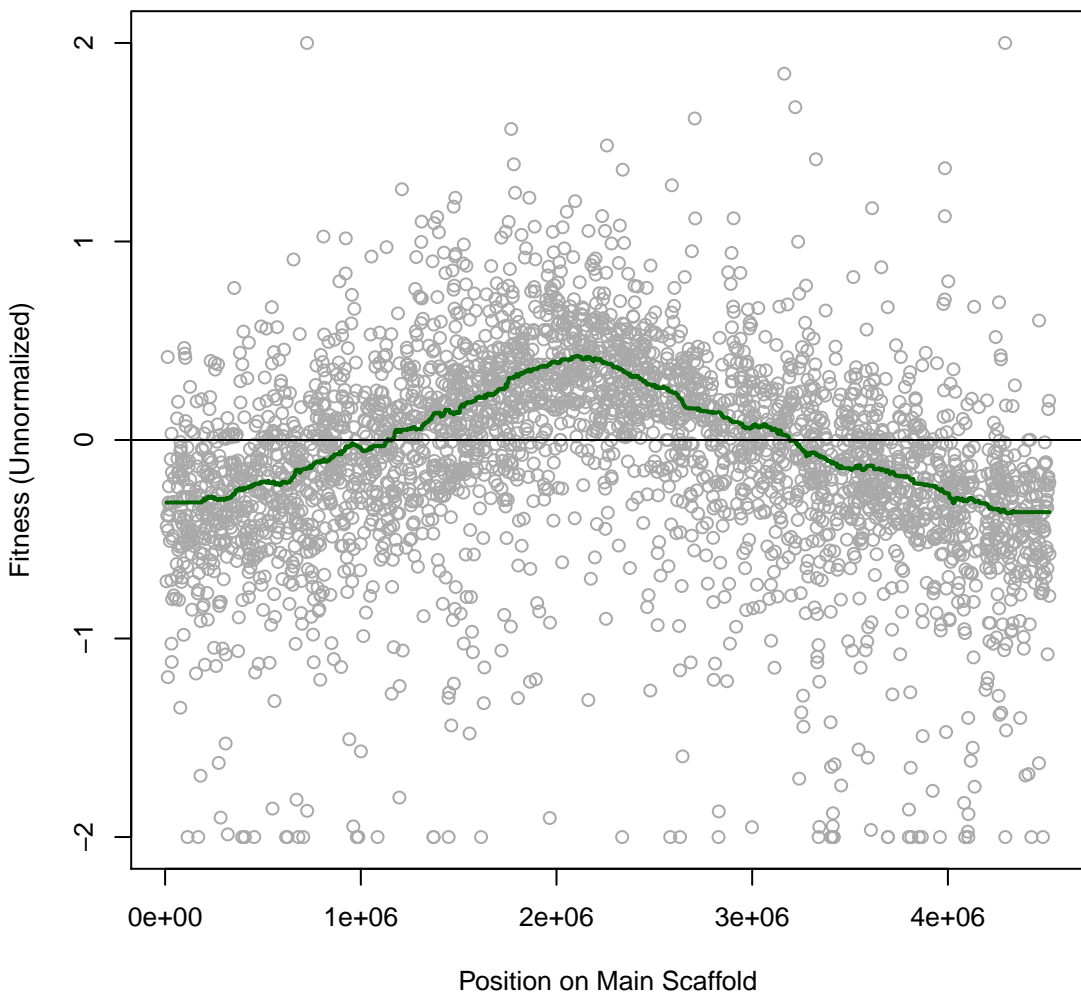


**Cup4G11 1IT004 #4 (gMed=74 rho12=0.037)**  
**R2A with sodium fluoride 50 mM**

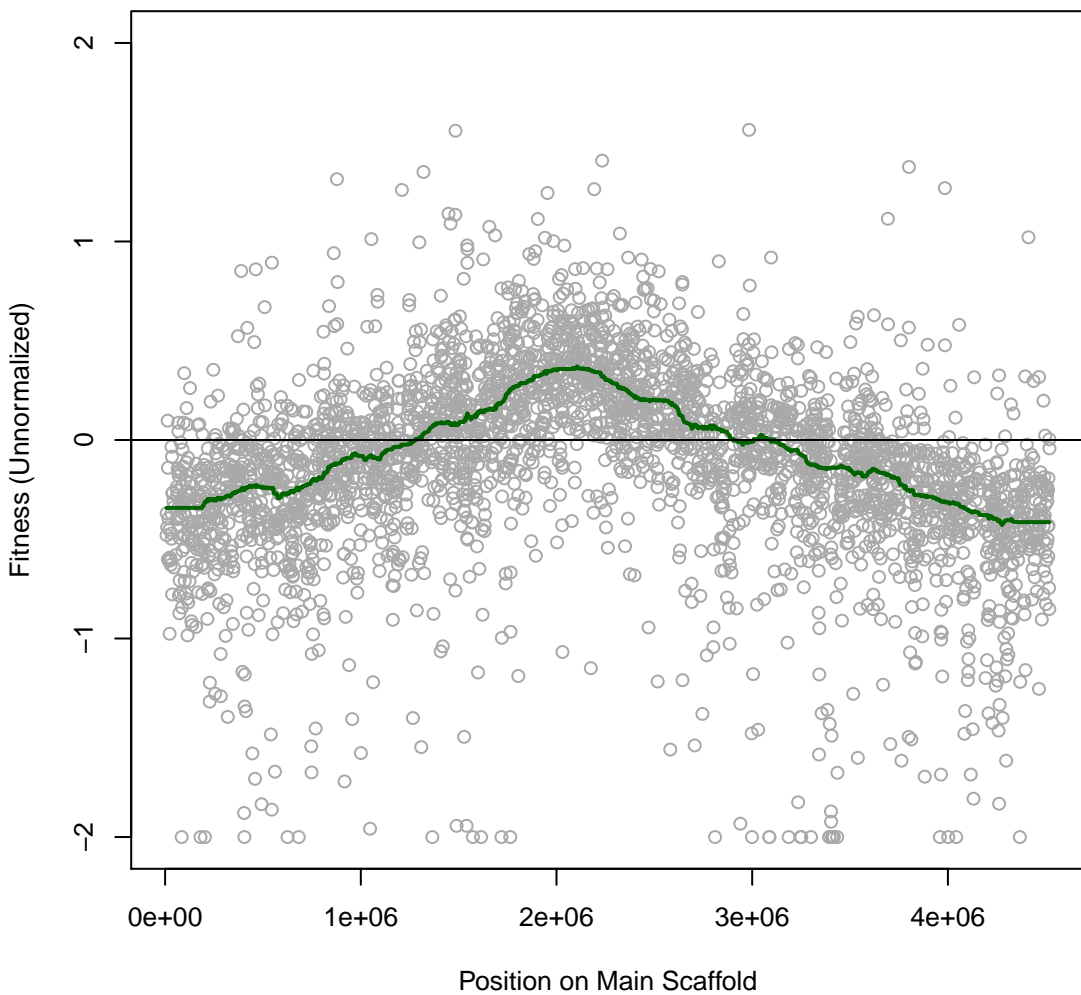




**Cup4G11 1IT005 #5 (gMed=53 rho12=0.105)**  
**R2A with Paraquat dichloride 0.064 mg/ml**

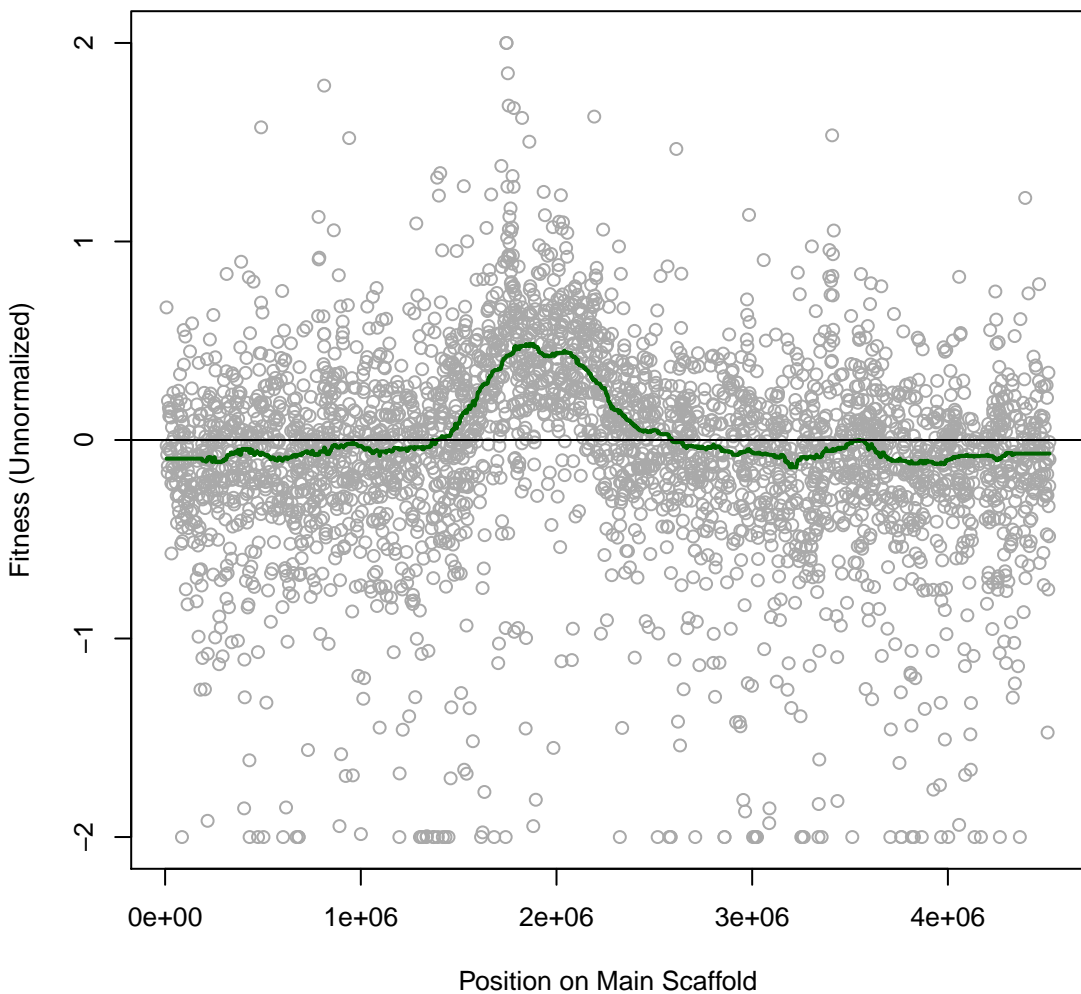


**Cup4G11 1IT006 #6 (gMed=91 rho12=0.116)**  
**R2A with Thallium(I) acetate 0.001 mg/ml**

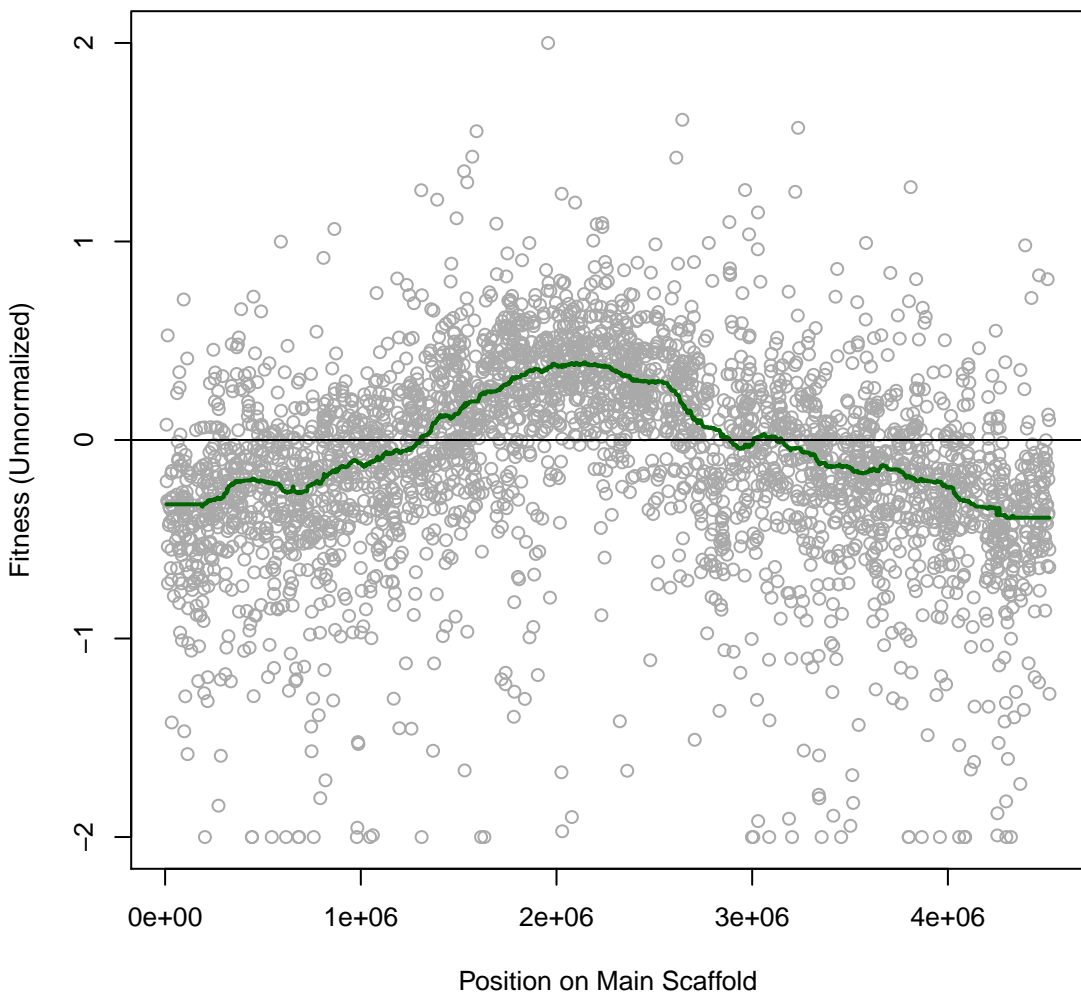


**Cup4G11 1IT007 #7 (gMed=74 rho12=0.101)**

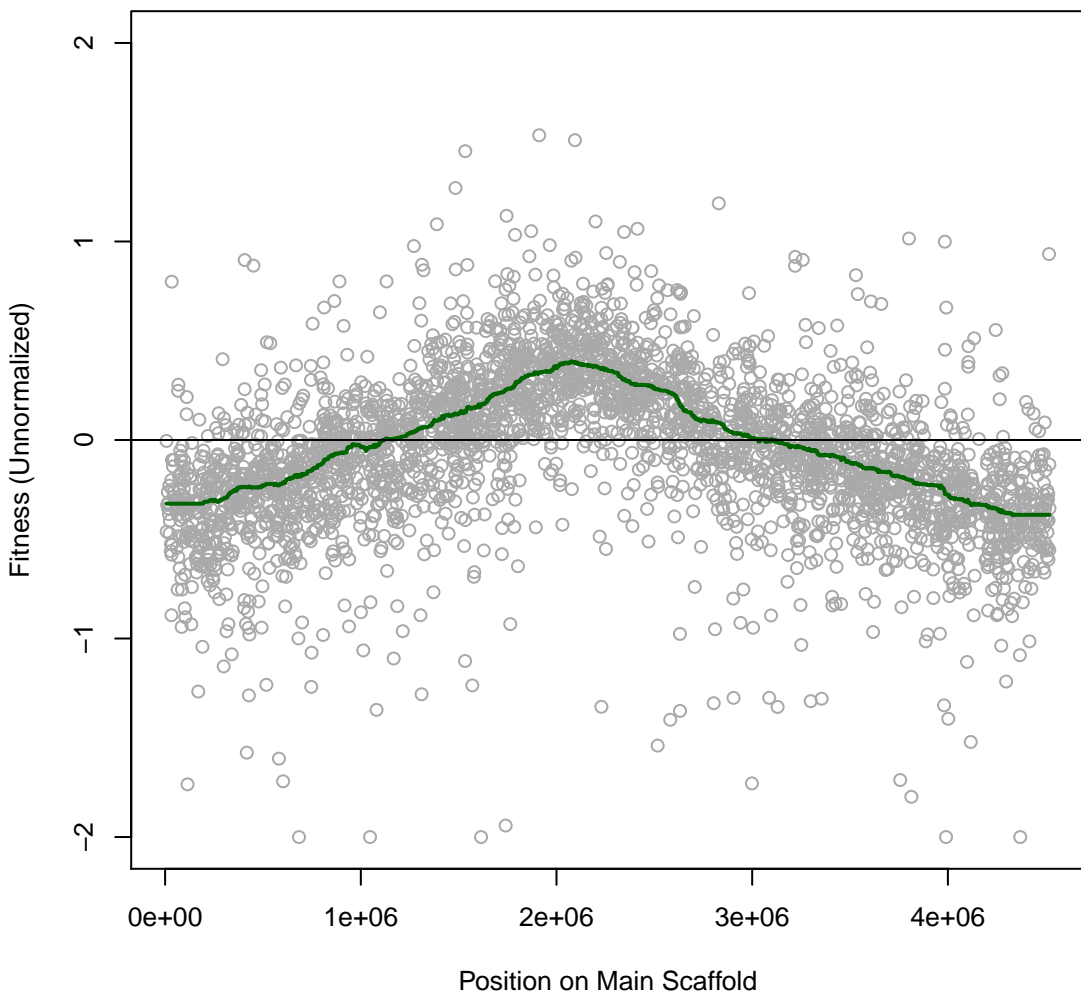
**R2A with Cisplatin 0.001 mg/ml**



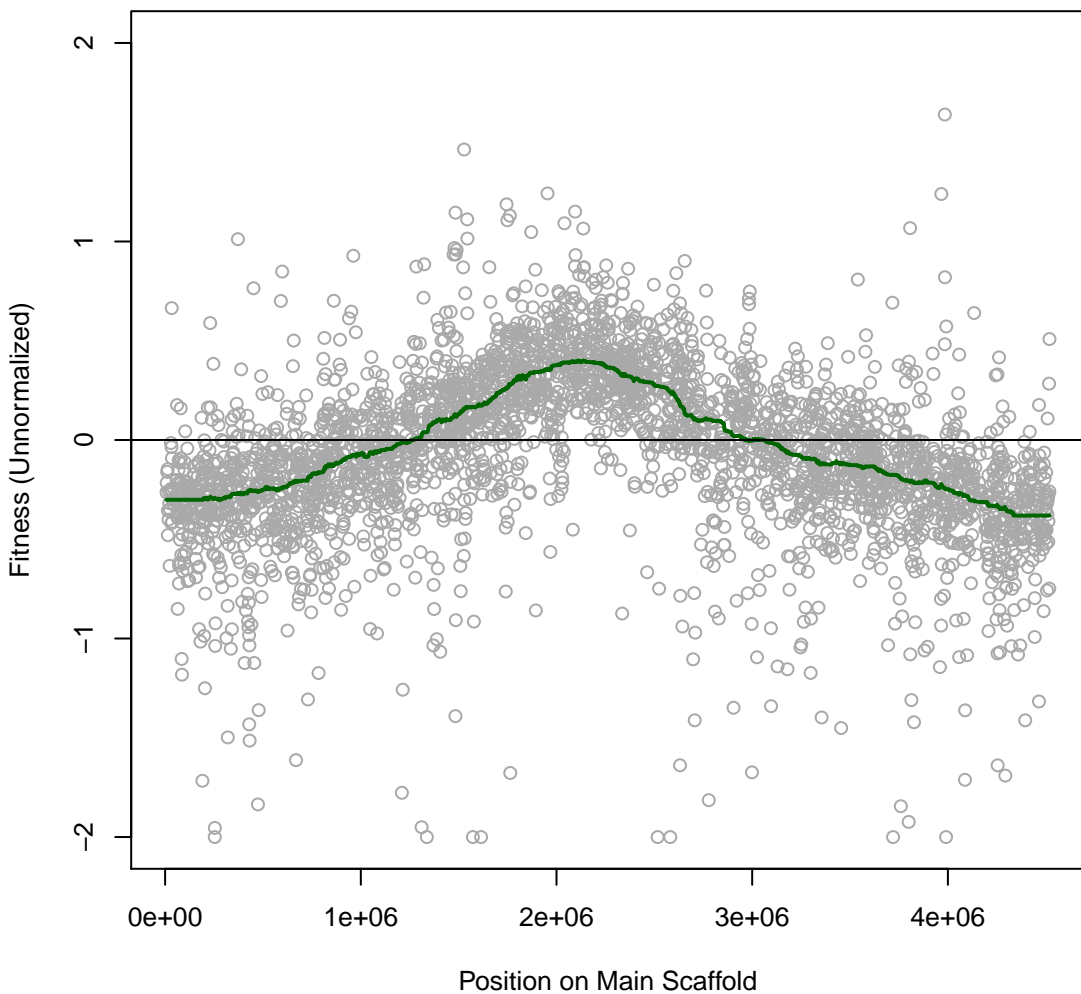
**Cup4G11 1IT008 #8 (gMed=89 rho12=0.131)**  
**R2A with Zinc 0.1 mM**



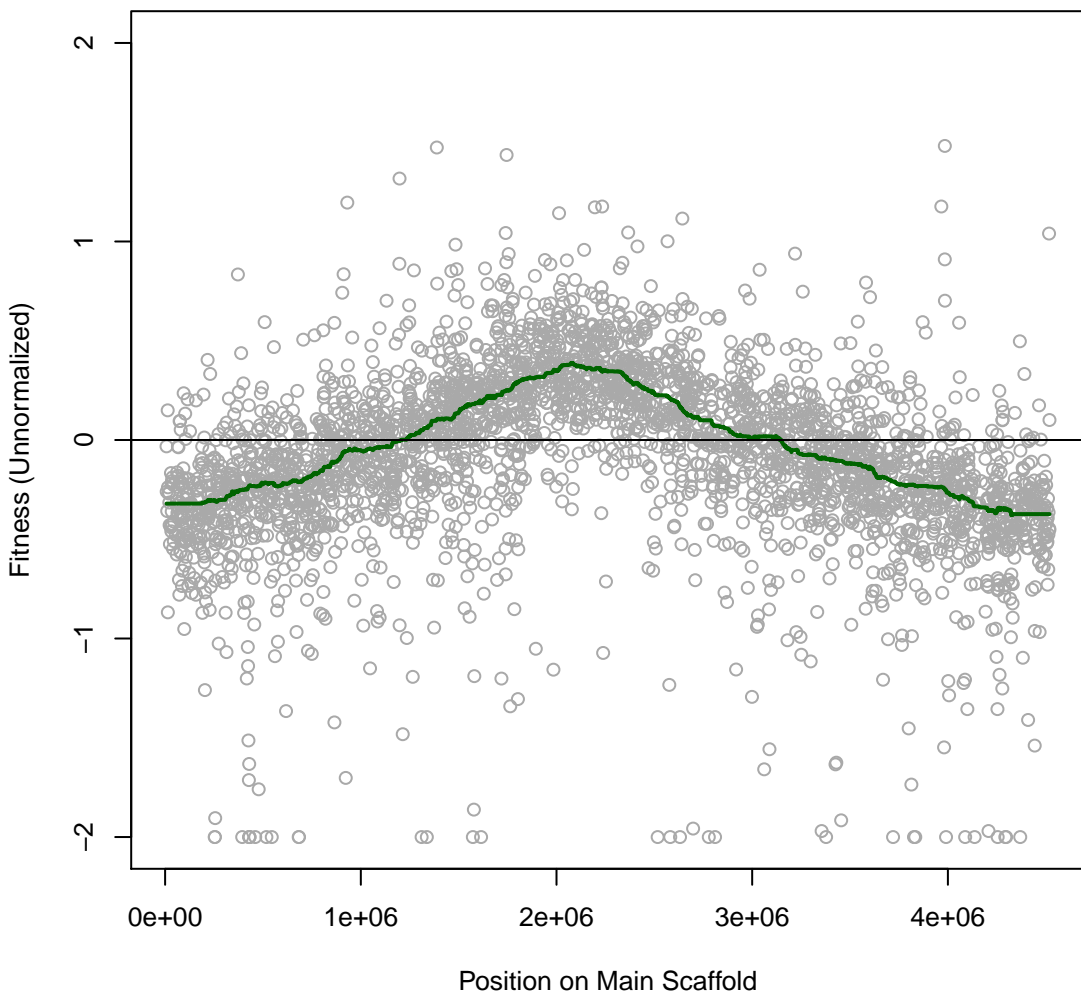
**Cup4G11 1IT009 #9 (gMed=172 rho12=0.078)**  
**R2A**



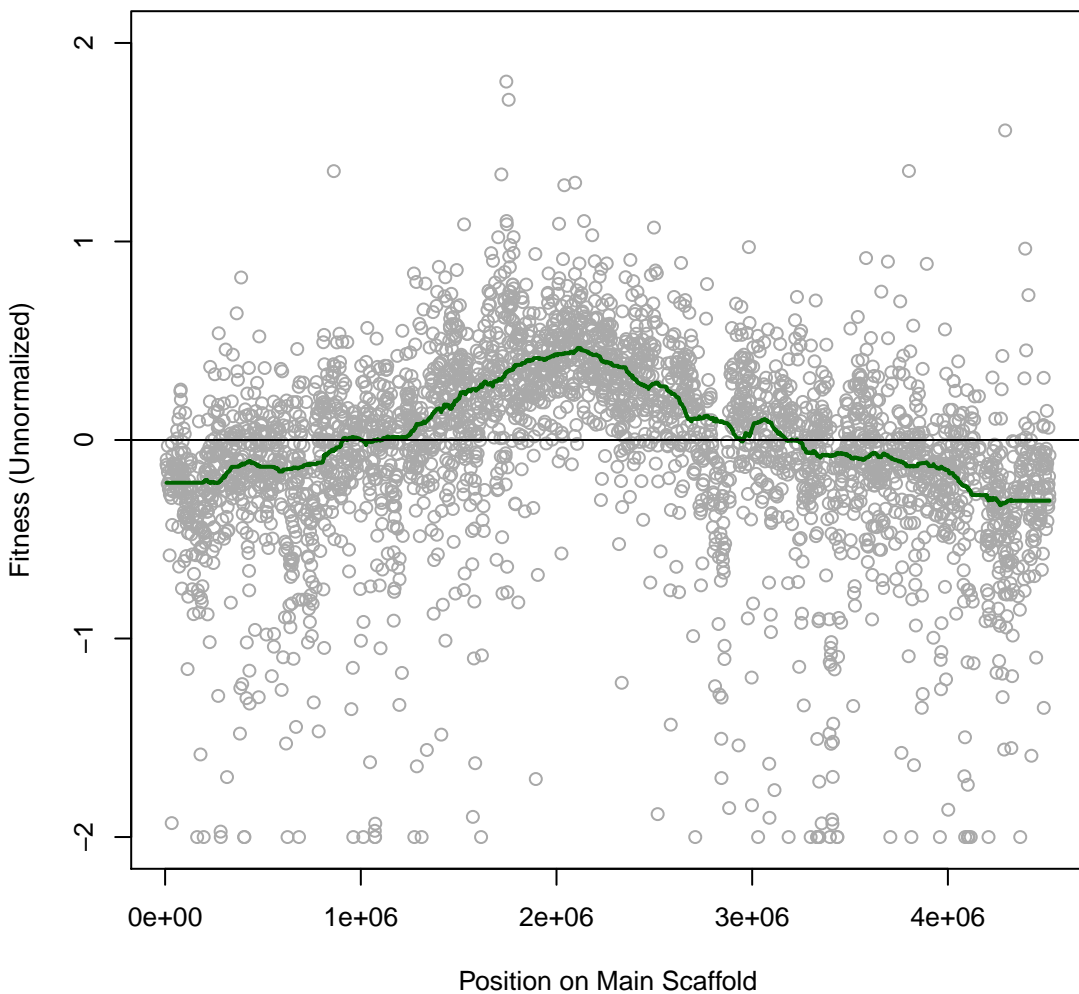
**Cup4G11 1IT010 #10 (gMed=156 rho12=0.050)**  
**R2A with nitrite 10 mM**



**Cup4G11 1IT011 #11 (gMed=149 rho12=0.094)**  
**R2A with nitrite 20 mM**

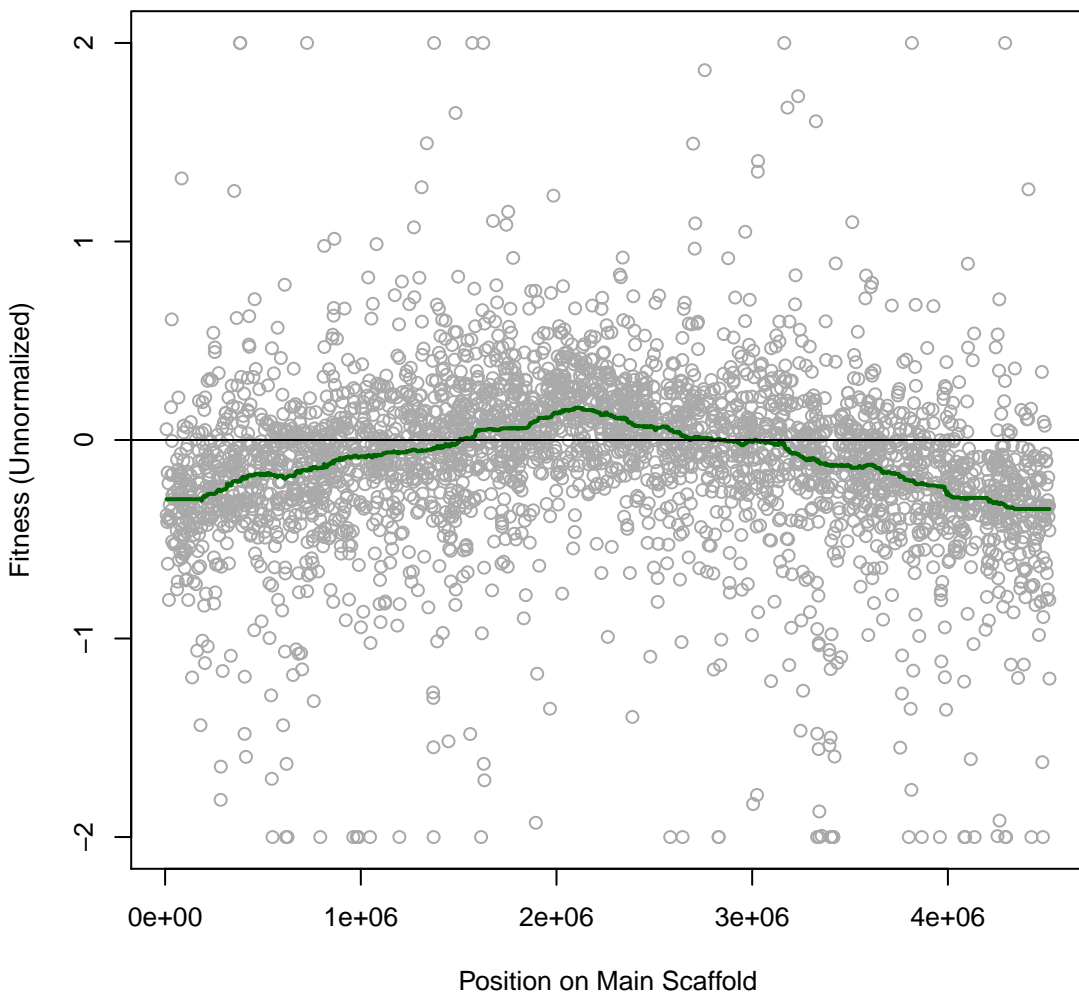


**Cup4G11 1IT012 #12 (gMed=186 rho12=0.192)**  
**R2A with nitrate 200 mM**

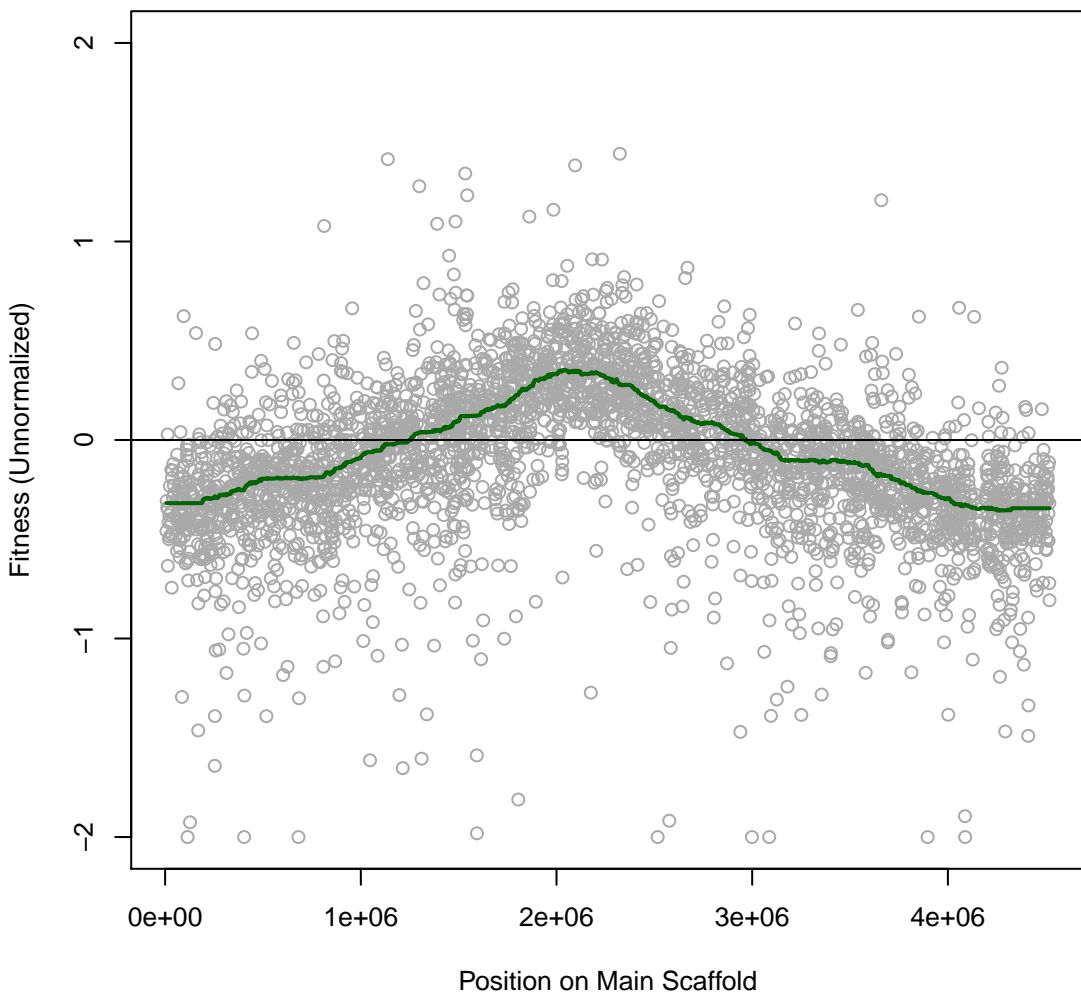




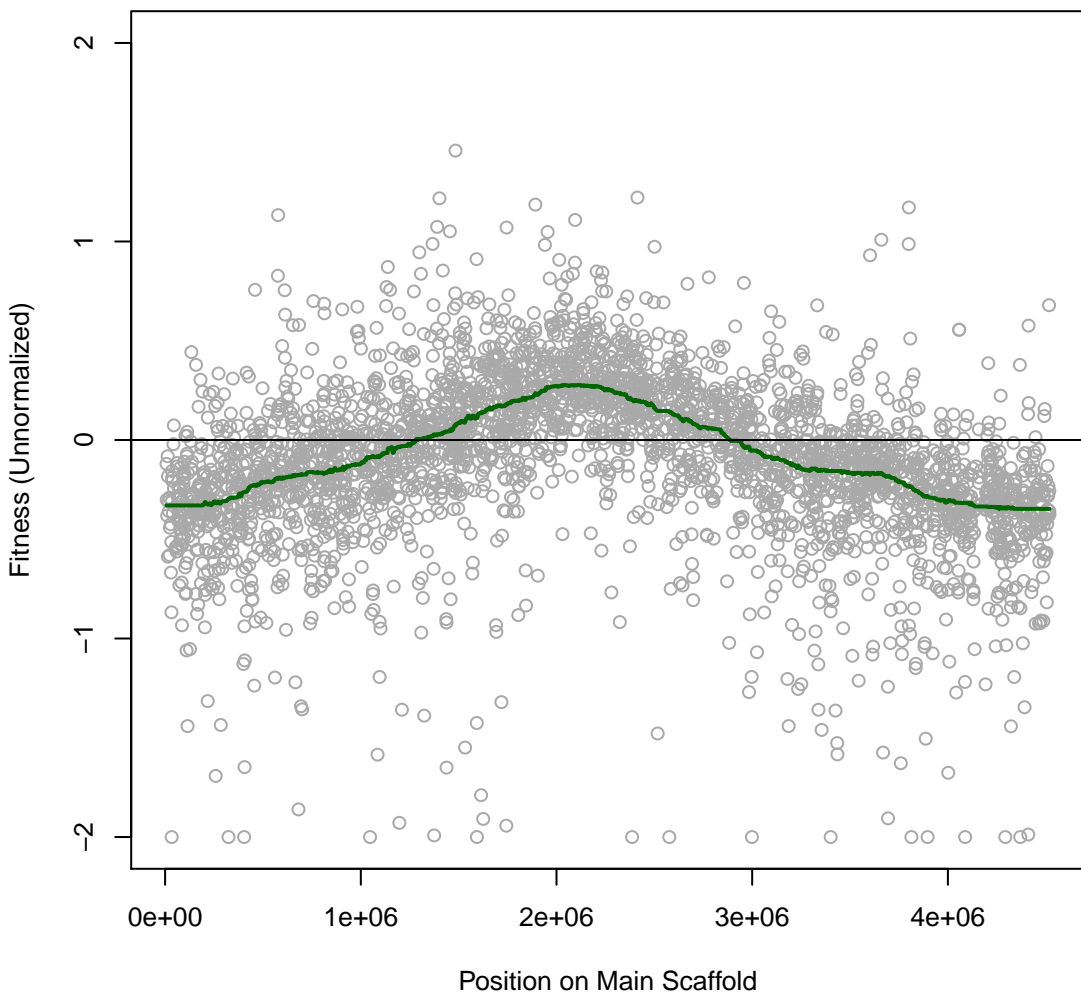
**Cup4G11 1IT013 #13 (gMed=148 rho12=0.130)**  
**R2A with Sisomicin 0.035 mg/ml**



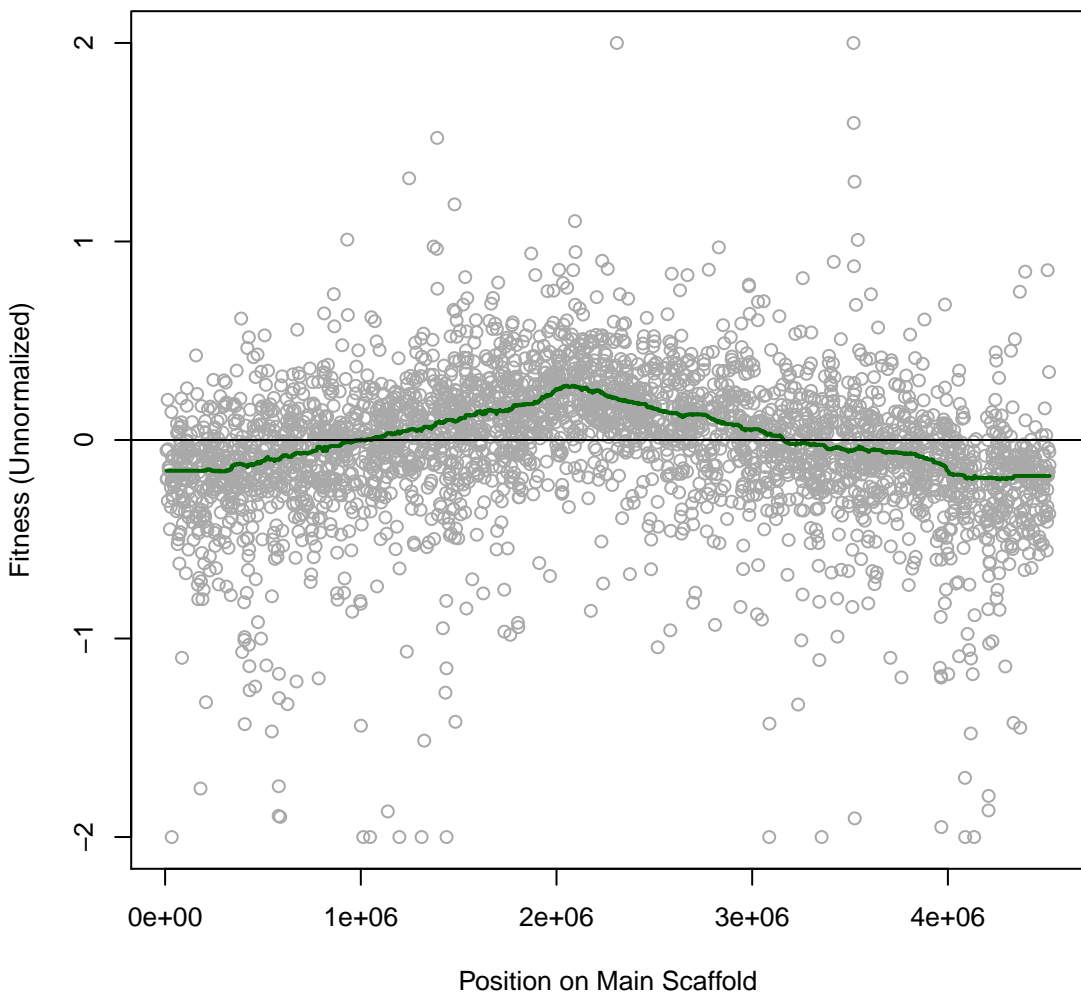
**Cup4G11 1IT014 #14 (gMed=168 rho12=0.085)**  
**R2A with Chlorite 2 mM**



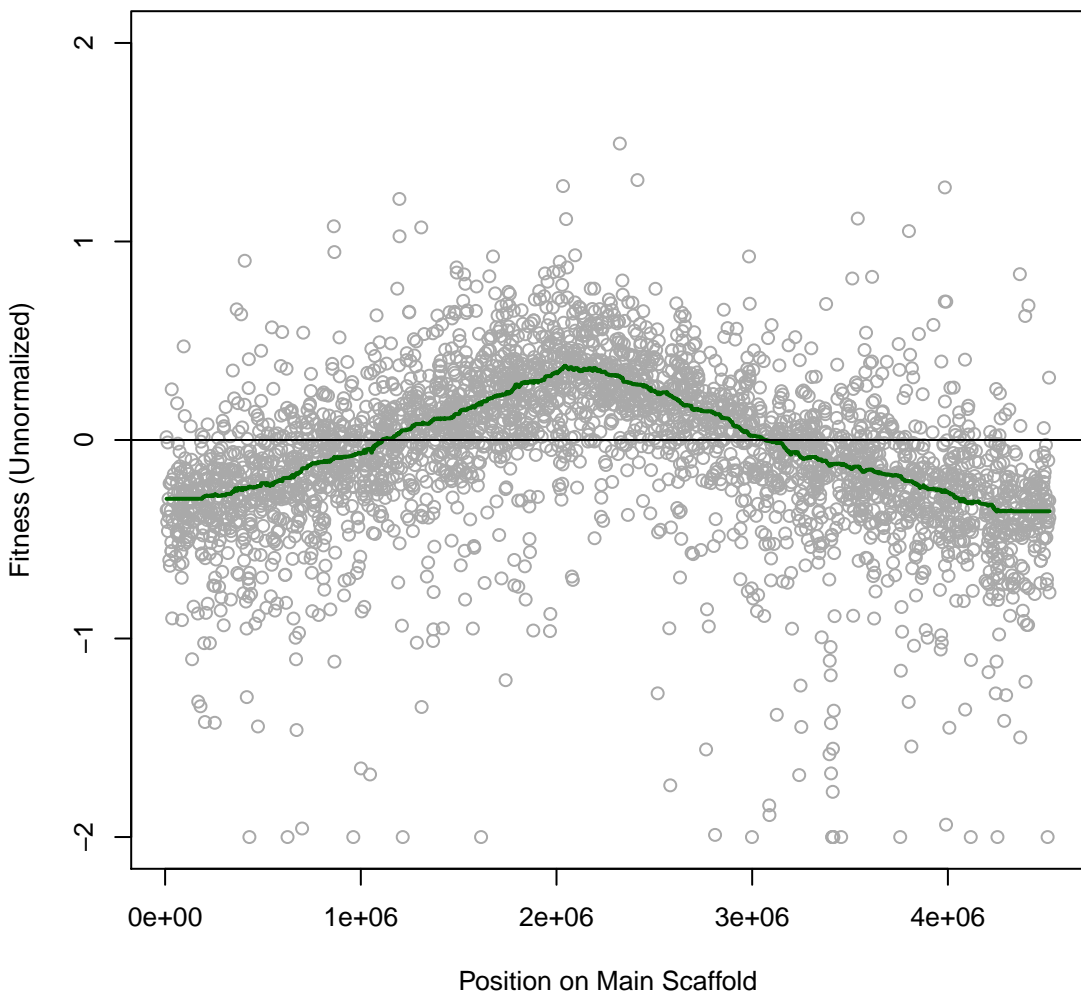
**Cup4G11 1IT015 #15 (gMed=161 rho12=0.109)**  
**R2A with Chlorite 4 mM**



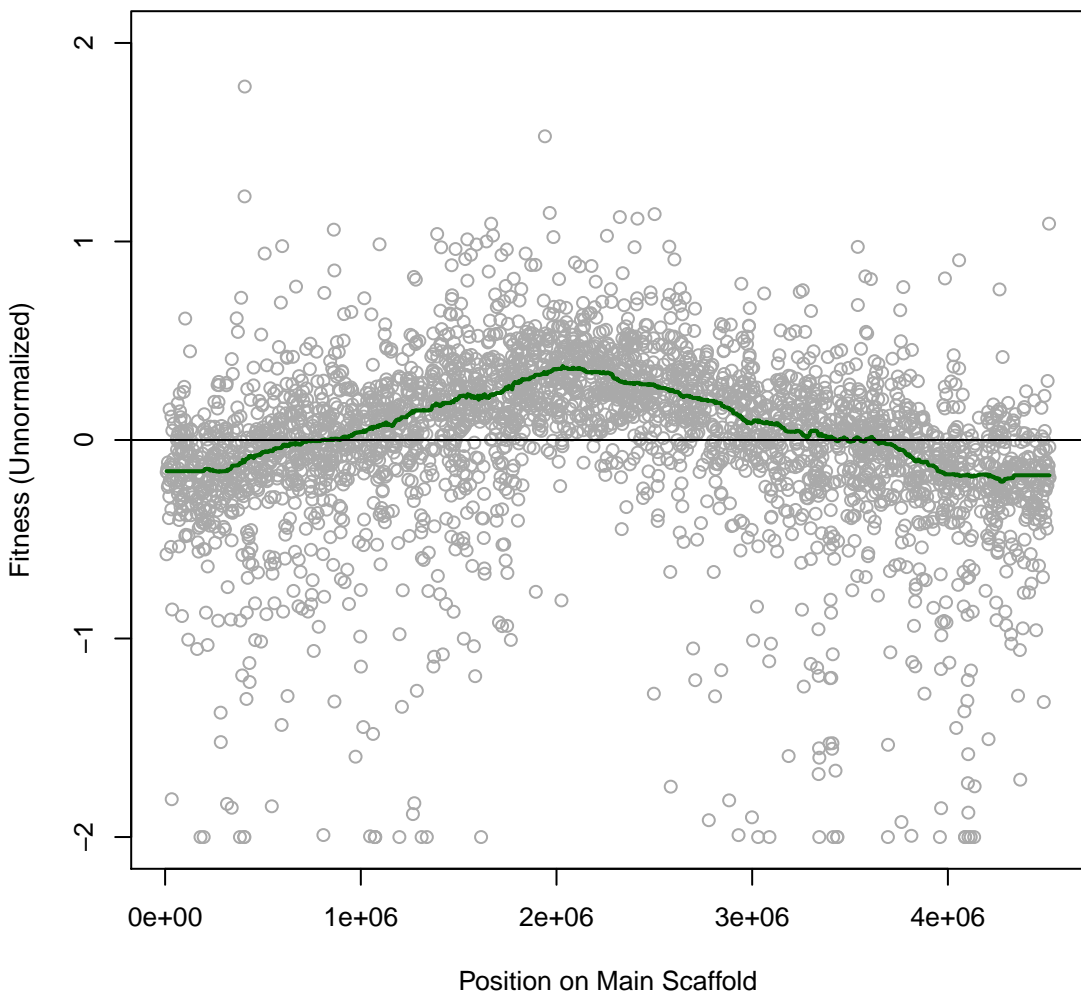
**Cup4G11 1IT016 #16 (gMed=174 rho12=0.064)**  
**R2A with perchlorate 50 mM**



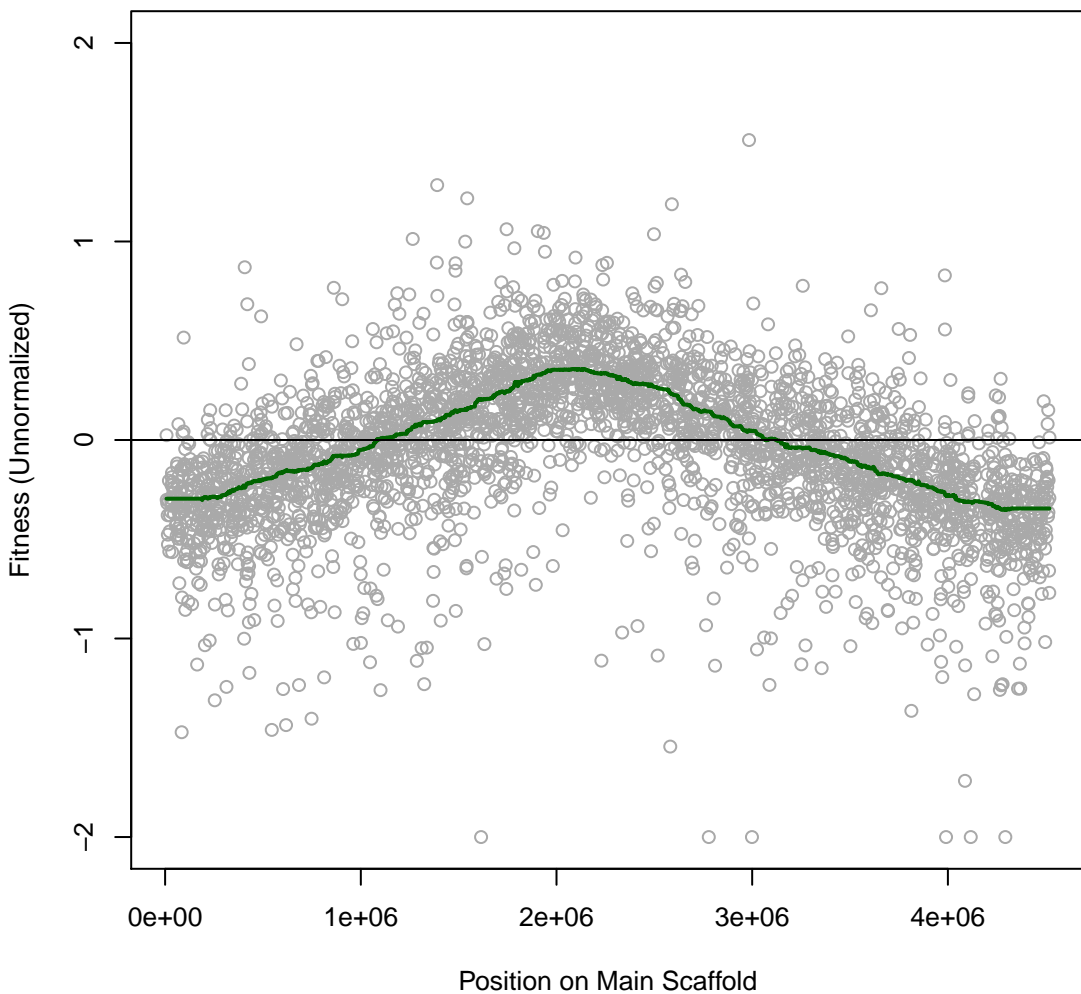
**Cup4G11 1IT017 #17 (gMed=180 rho12=0.092)**  
**R2A with Polymyxin B sulfate 0.001 mg/ml**



**Cup4G11 1IT018 #18 (gMed=162 rho12=0.103)**  
**R2A with Chloride 300 mM**

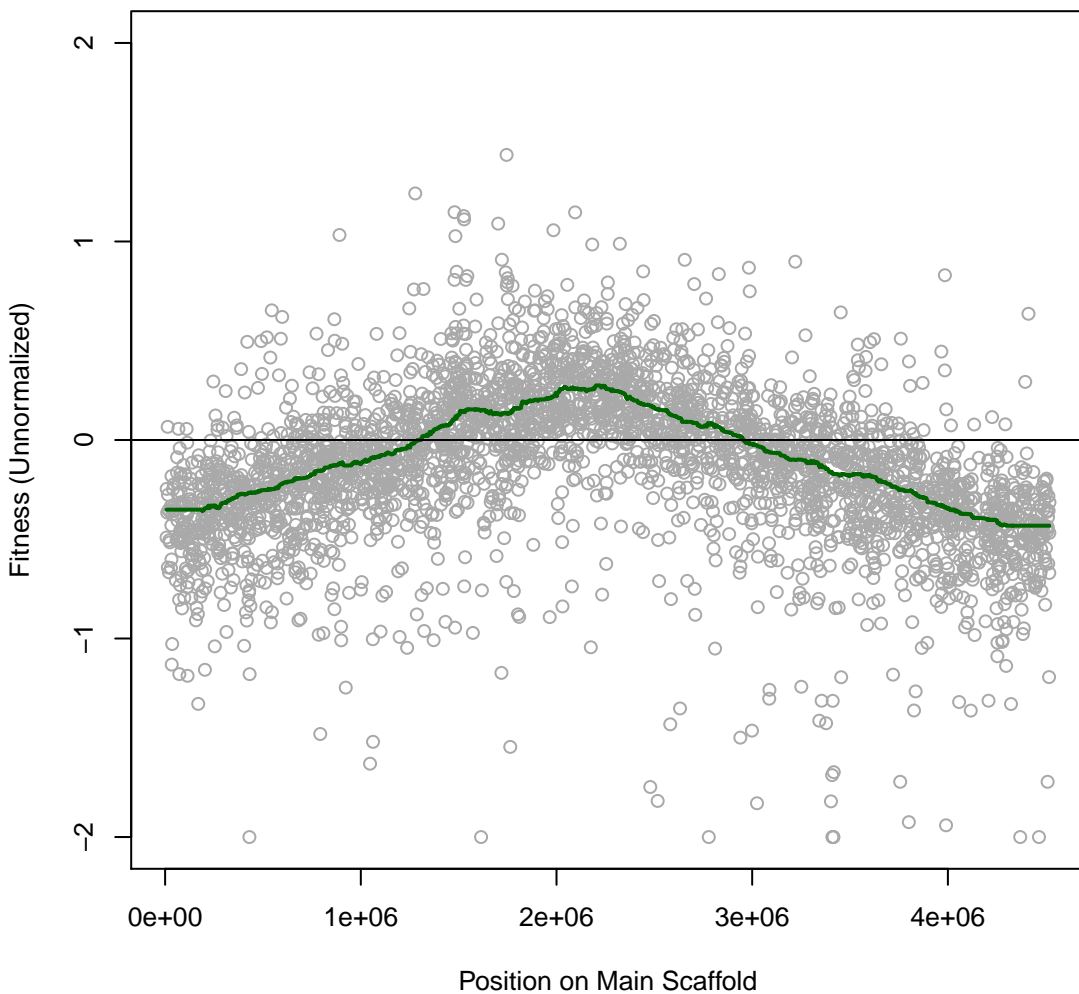


**Cup4G11 1IT019 #19 (gMed=179 rho12=0.060)**  
**R2A**



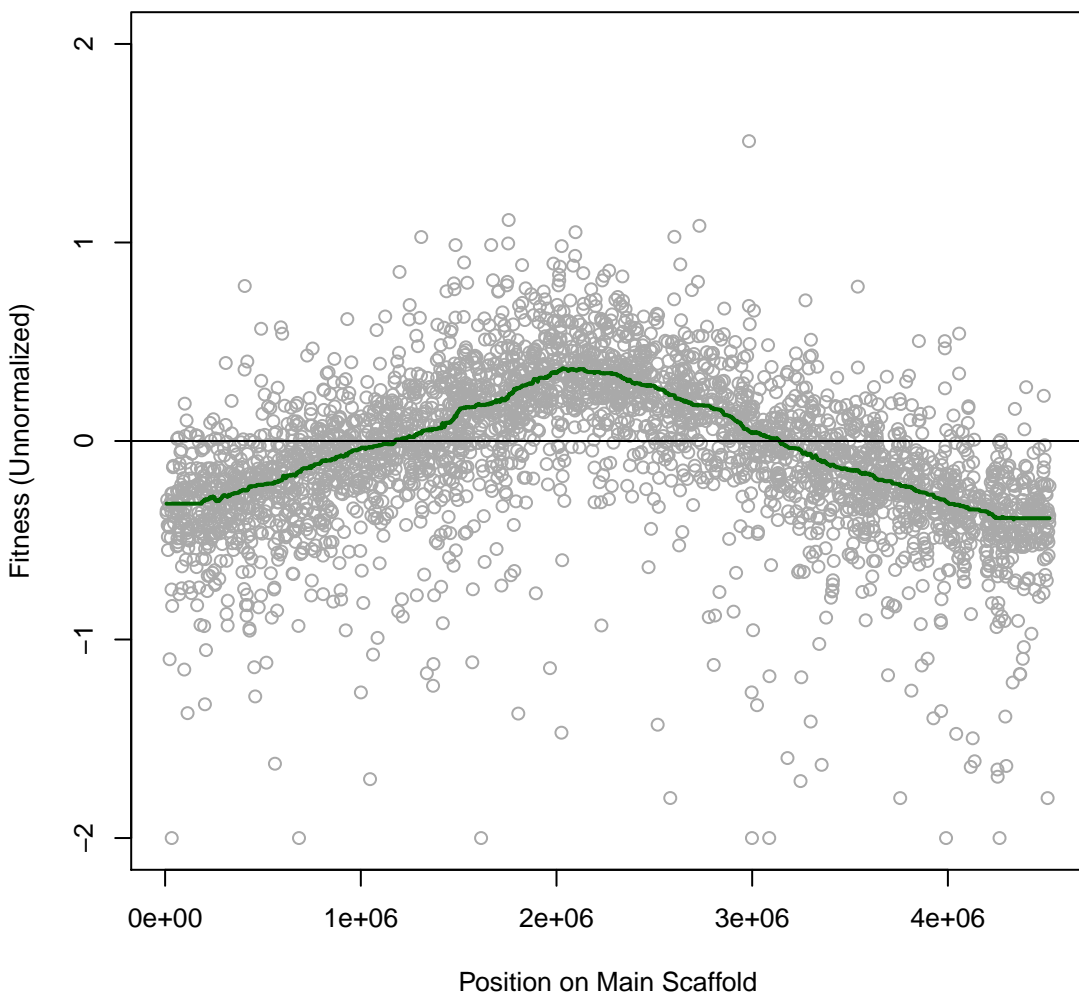
**Cup4G11 1IT020 #20 (gMed=173 rho12=0.085)**

**R2A with Dimethyl Sulfoxide 5 vol%**

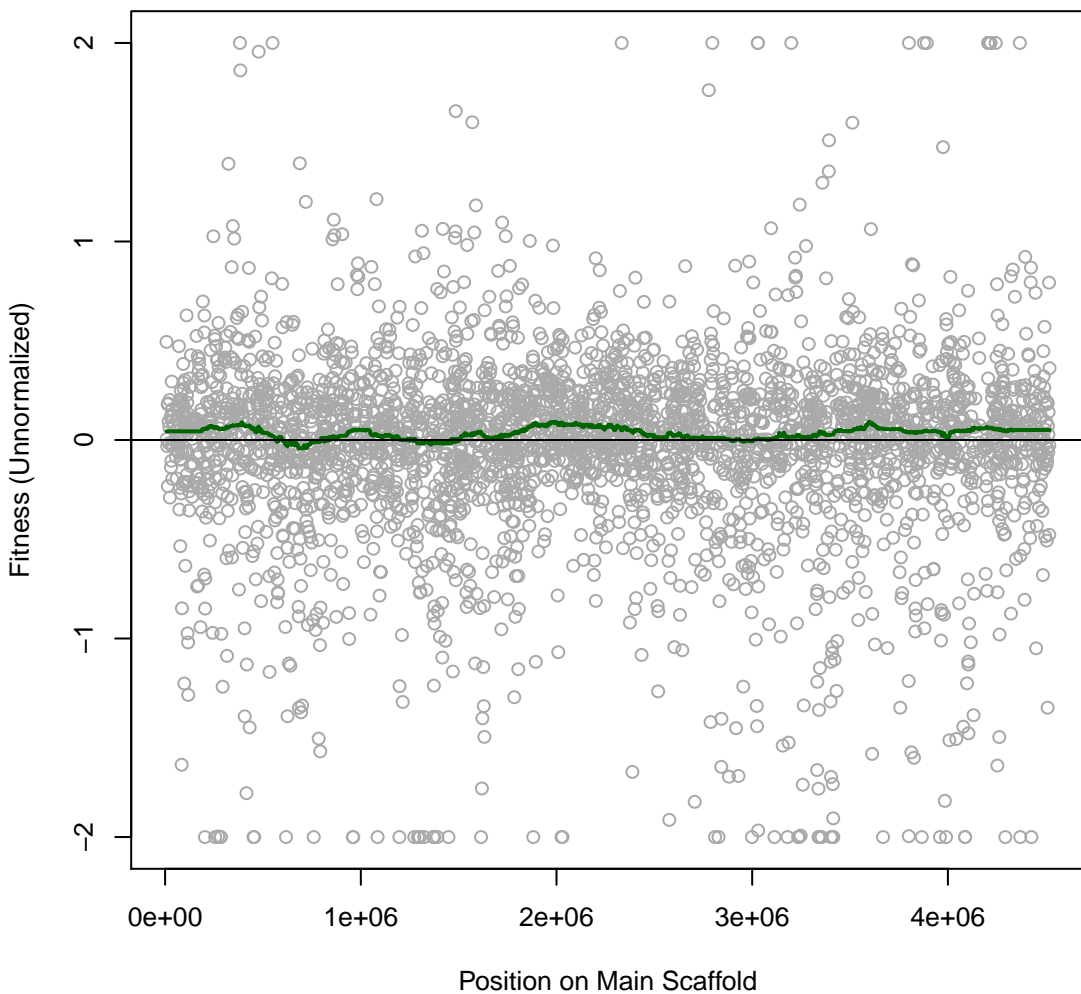




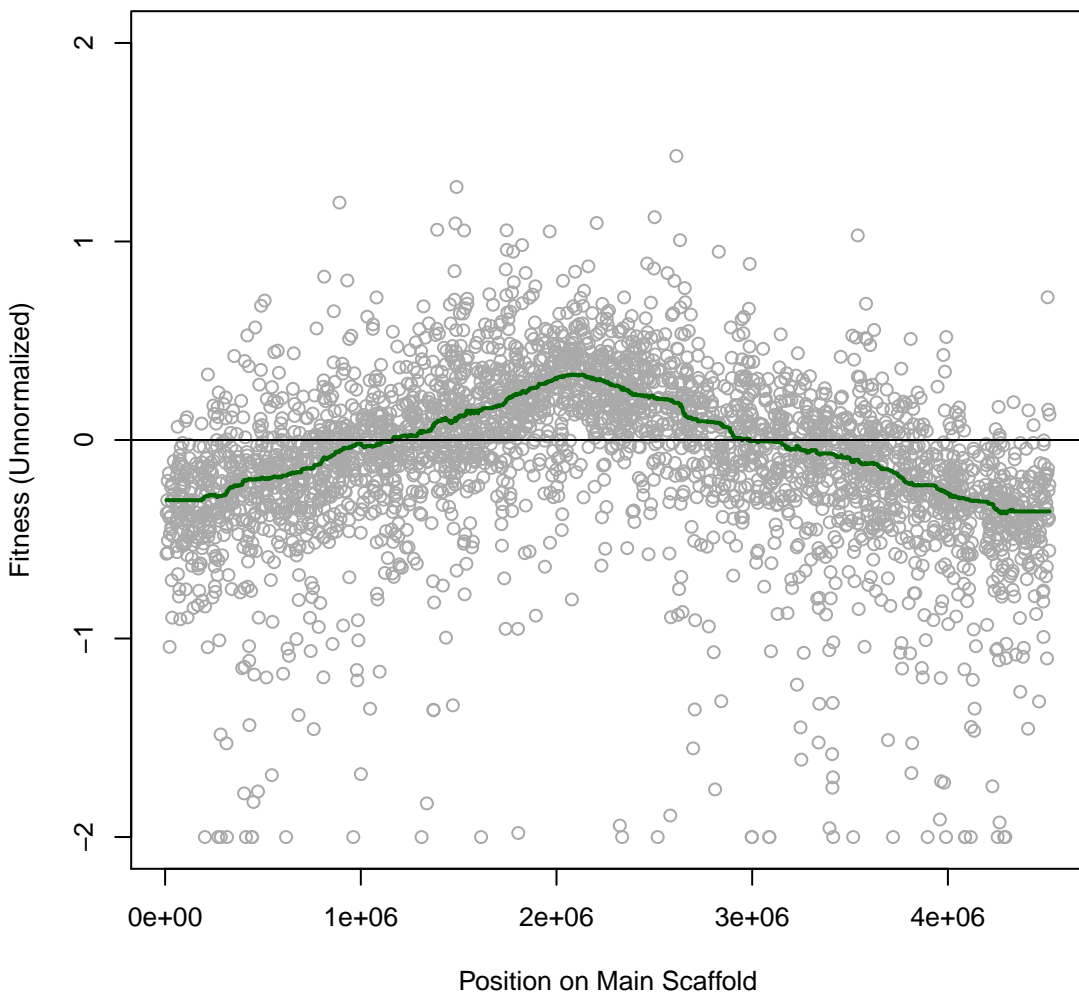
**Cup4G11 1IT021 #21 (gMed=183 rho12=0.069)**  
**R2A**



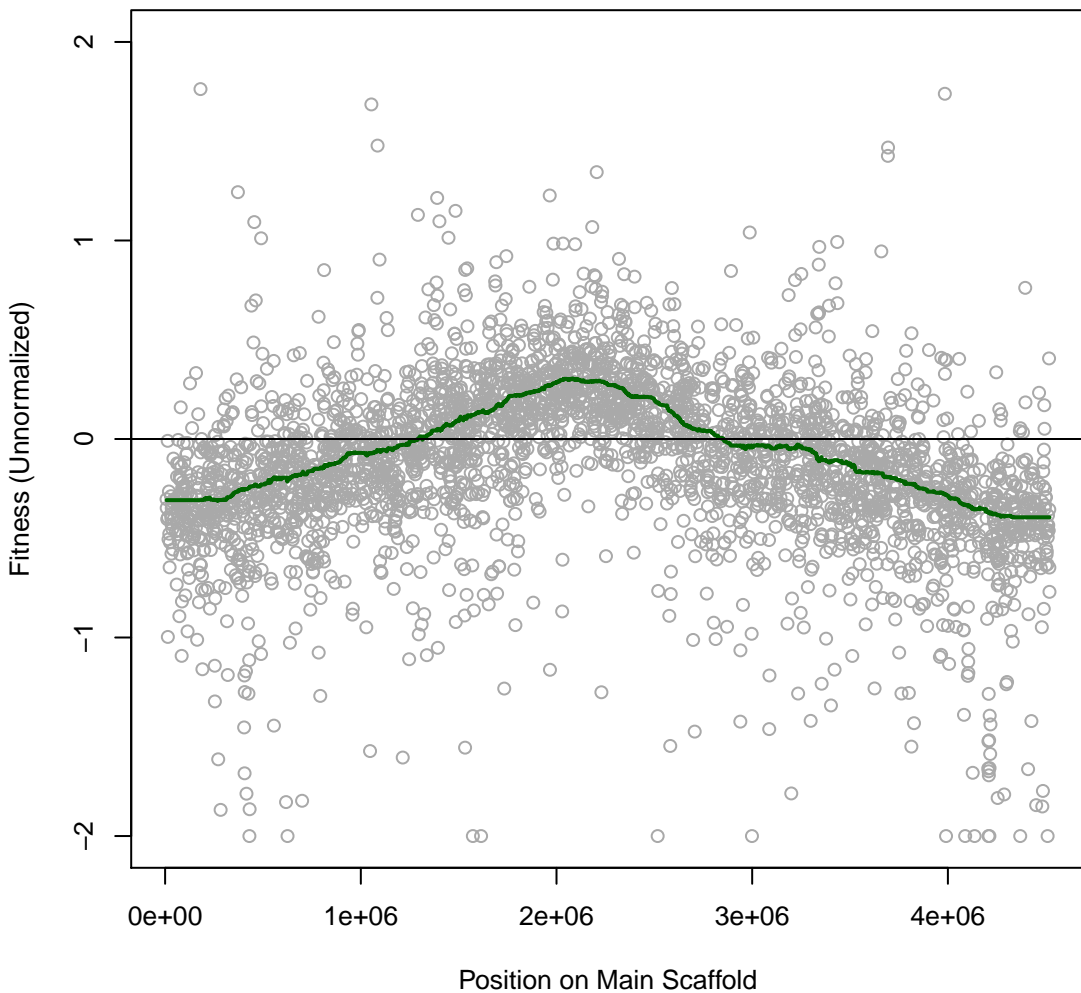
**Cup4G11 1IT022 #22 (gMed=130 rho12=0.196)**  
**R2A with Vancomycin 0.5 mg/ml**



**Cup4G11 1IT023 #23 (gMed=147 rho12=0.089)**  
**R2A with Cephalothin 1.25 mg/ml**

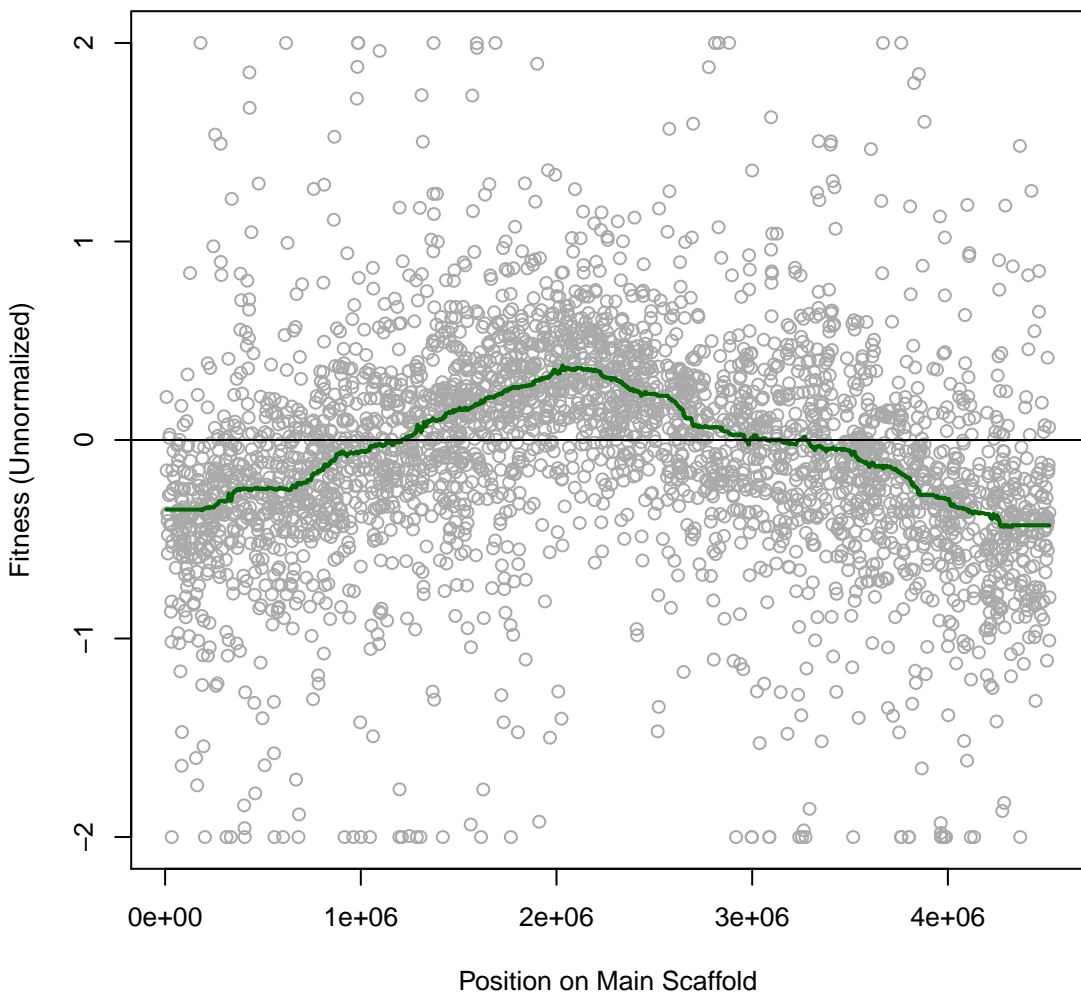


**Cup4G11 1IT024 #24 (gMed=163 rho12=0.103)**  
**R2A with A22 0.01 mg/ml**



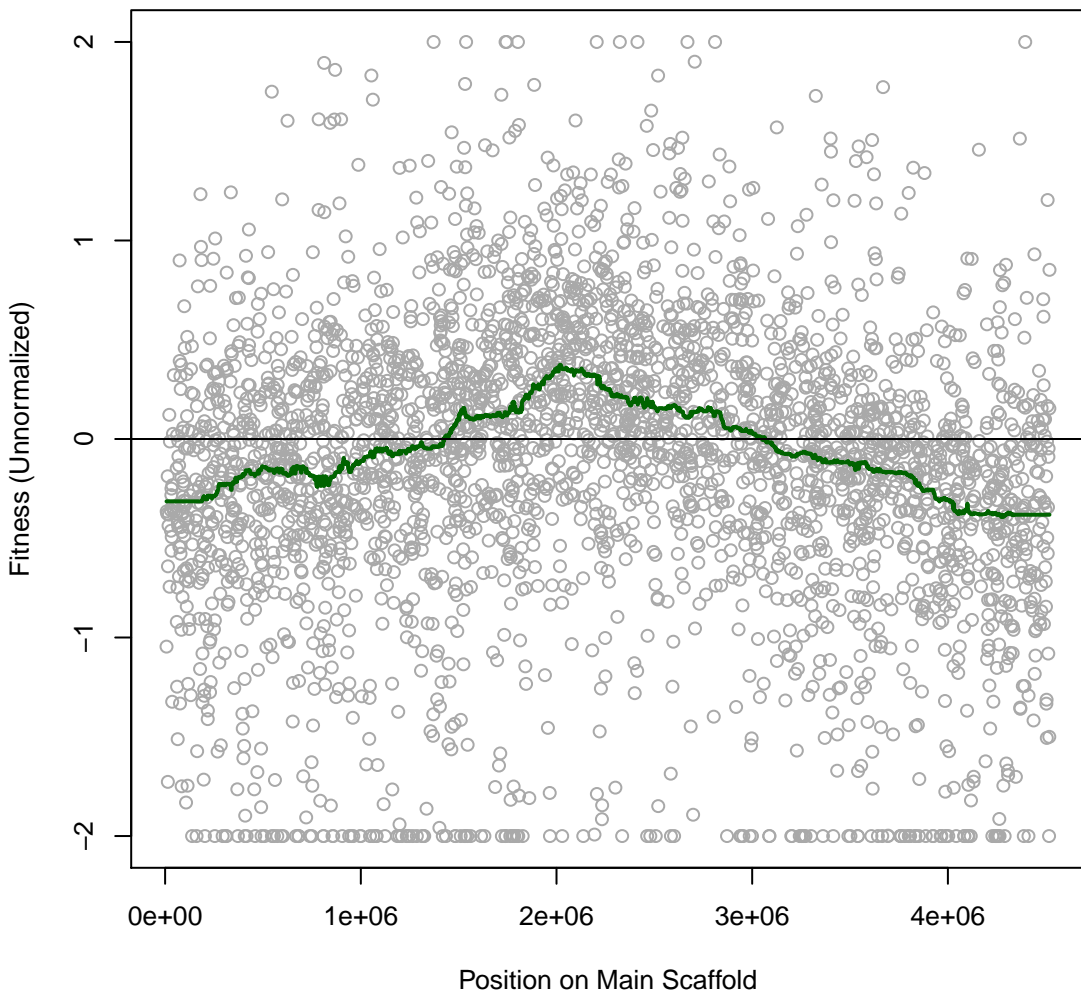
**Cup4G11 1IT025 #25 (gMed=168 rho12=0.117)**

**R2A with D-Cycloserine 0.5 mg/ml**



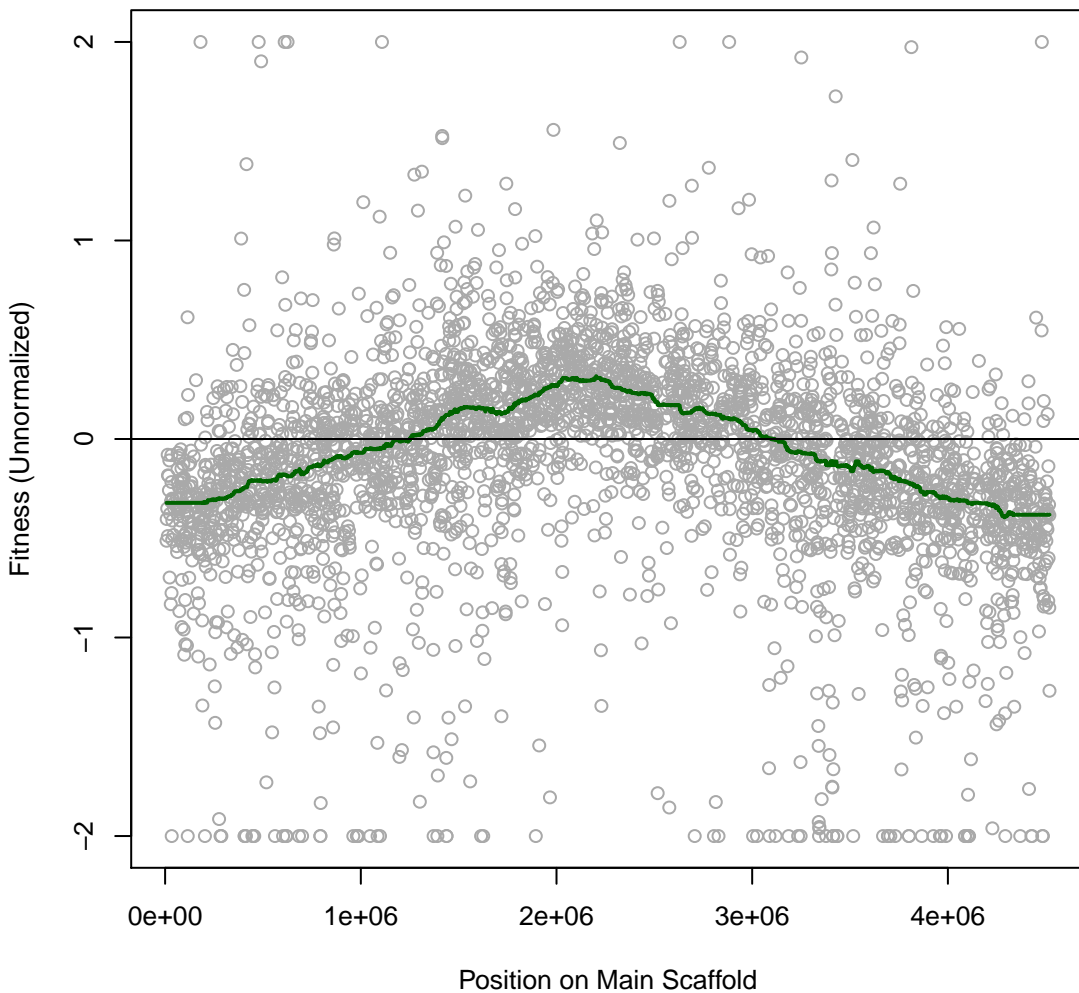
**Cup4G11 1IT026 #26 (gMed=171 rho12=0.042)**

**R2A with D-Cycloserine 0.1 mg/ml**

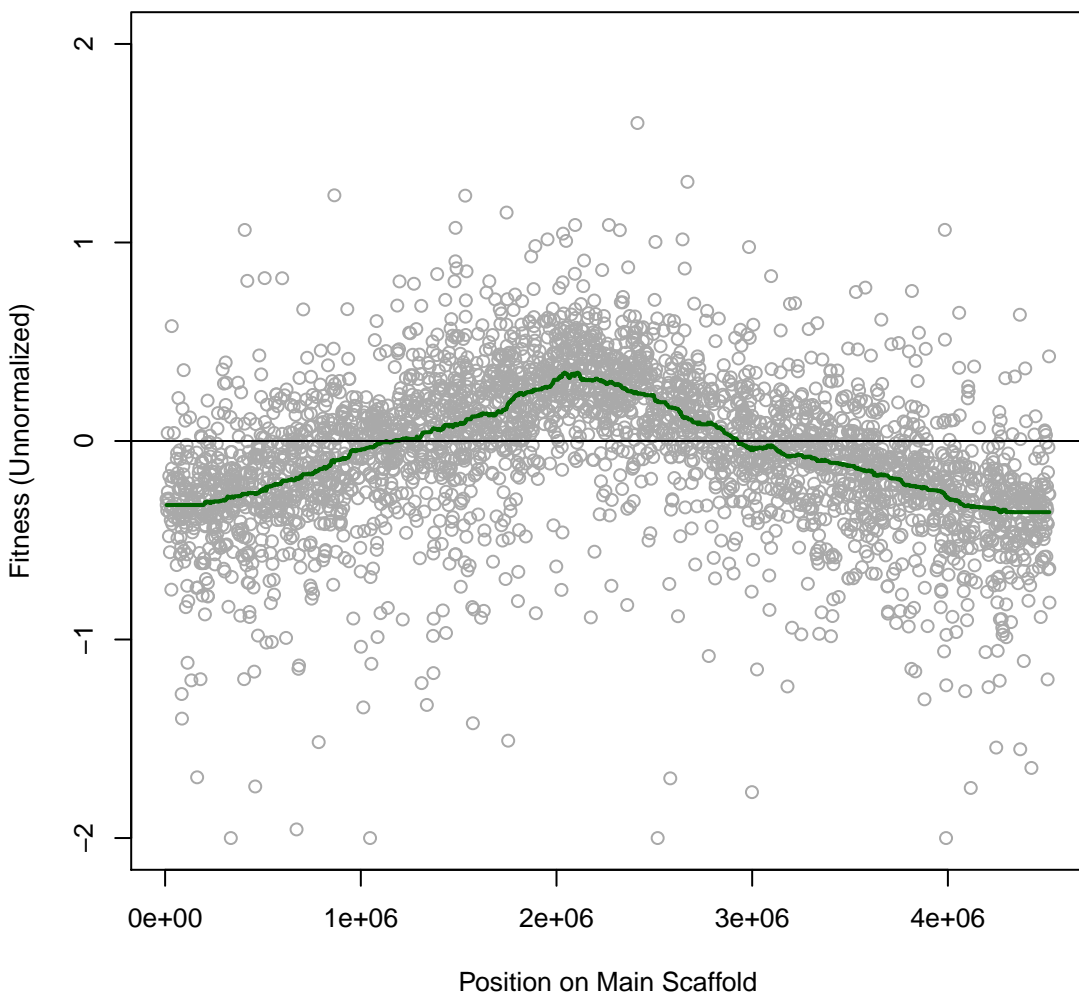


**Cup4G11 1IT027 #27 (gMed=168 rho12=0.174)**

**R2A with Doxycycline hyclate 0.0001 mg/ml**

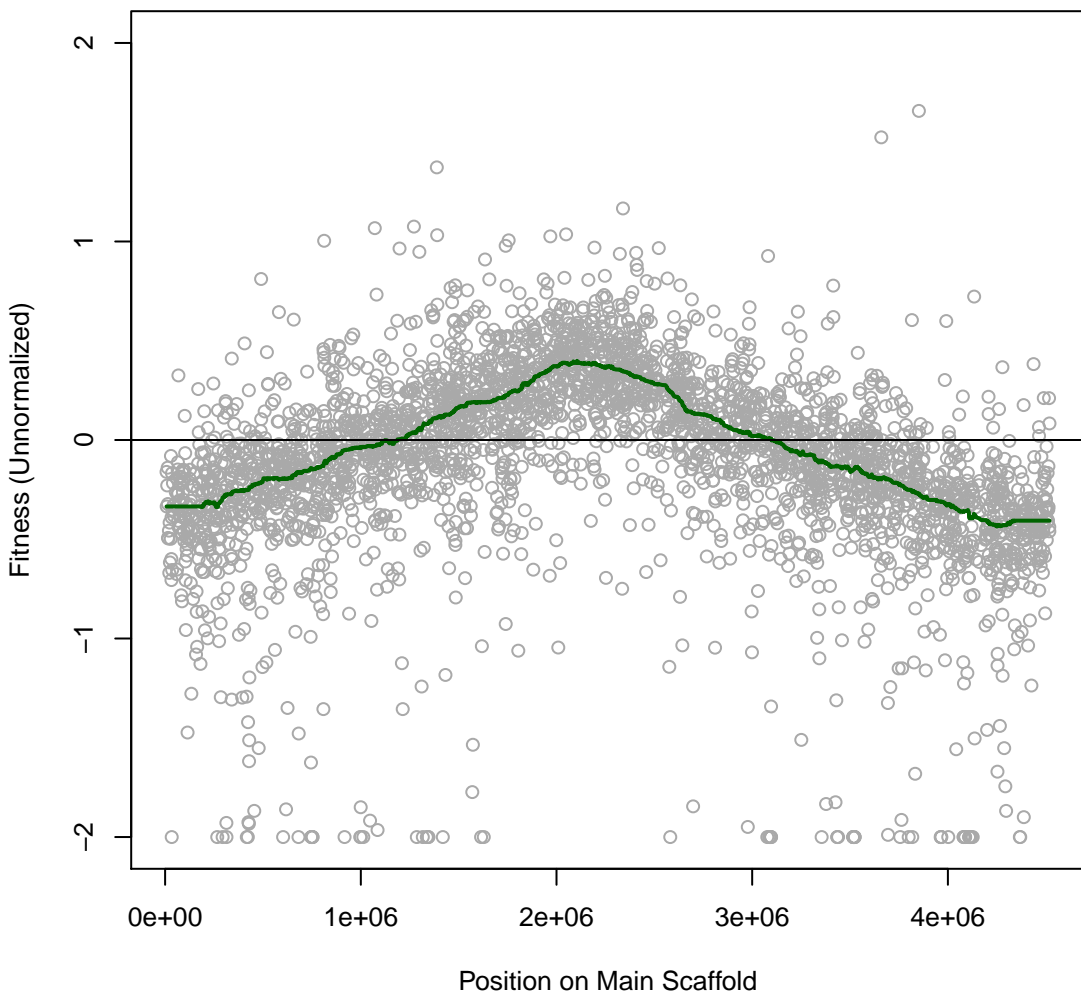


**Cup4G11 1IT028 #28 (gMed=163 rho12=0.062)**  
**R2A**

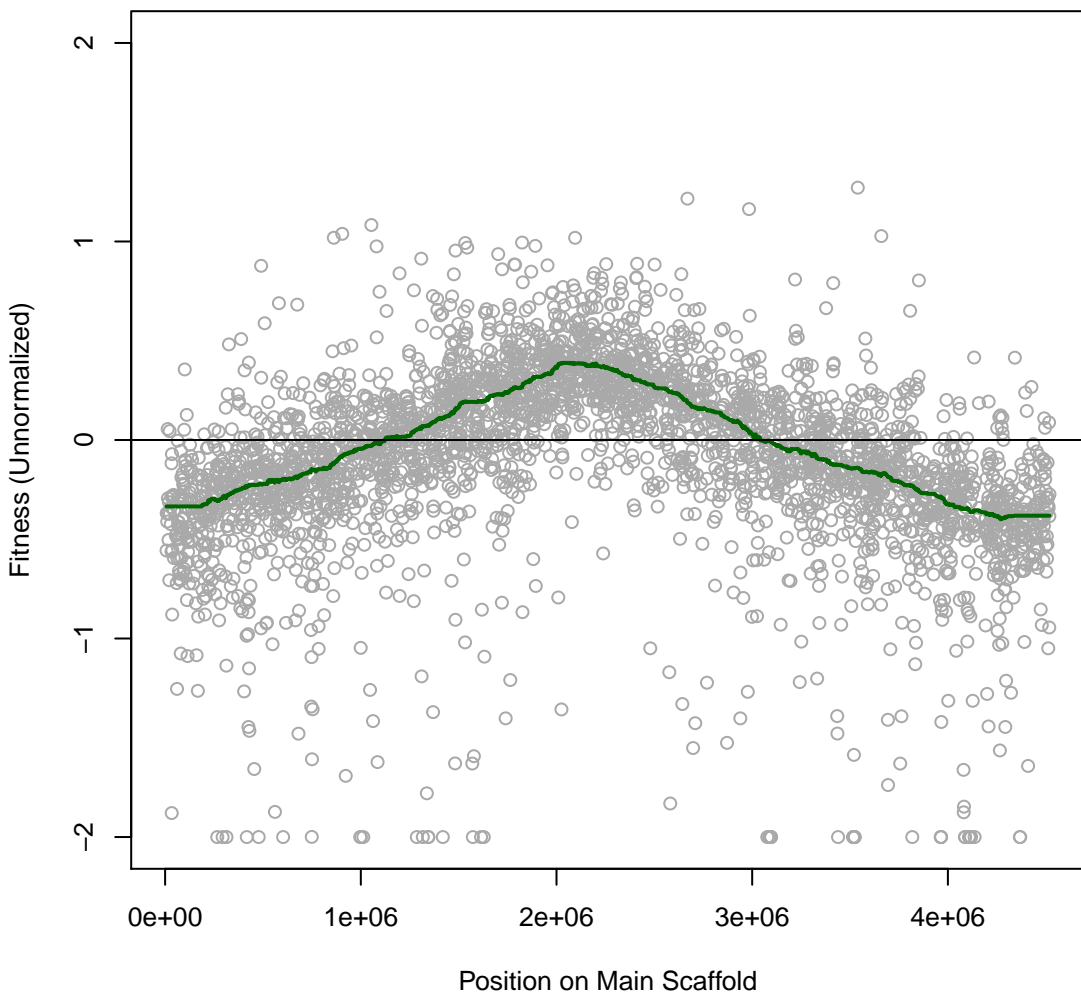




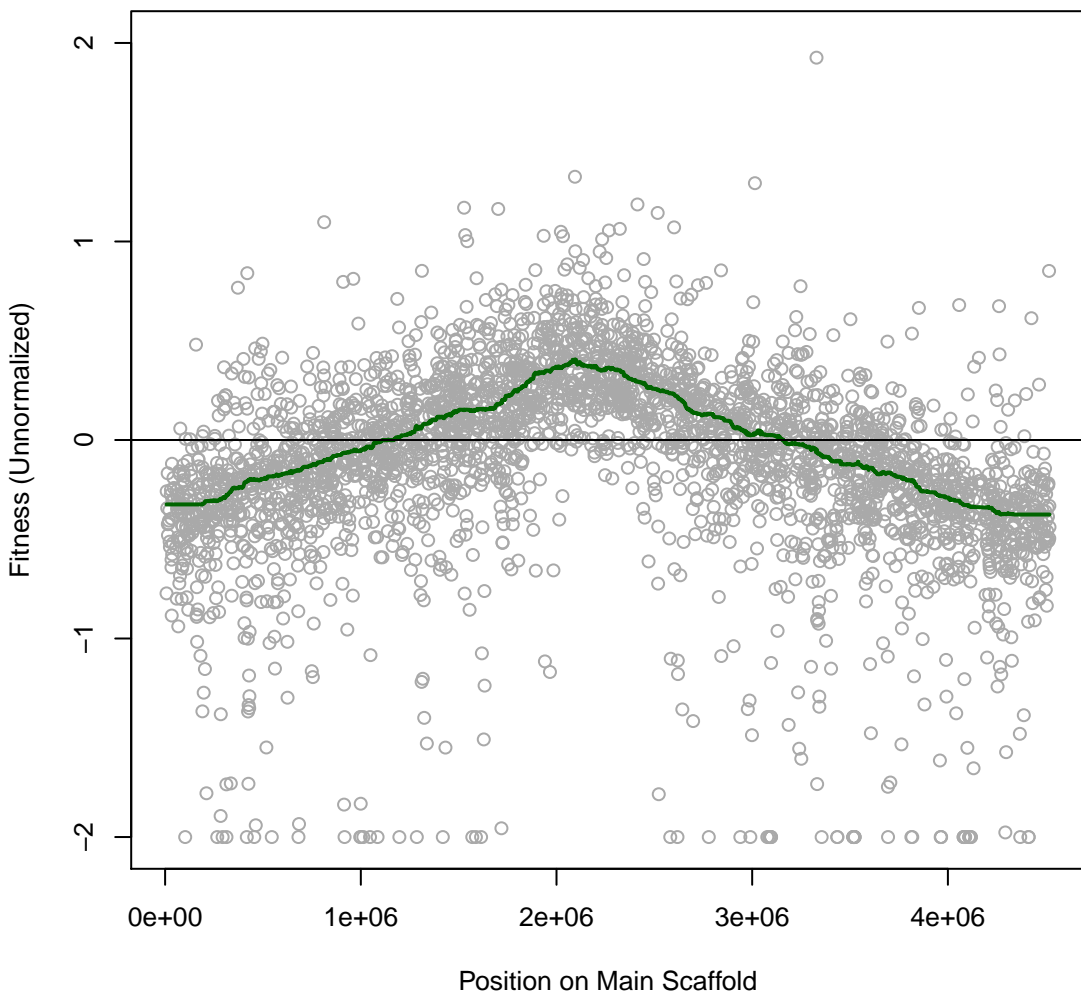
**Cup4G11 1IT029 #29 (gMed=166 rho12=0.096)**  
**D-Fructose (C)**



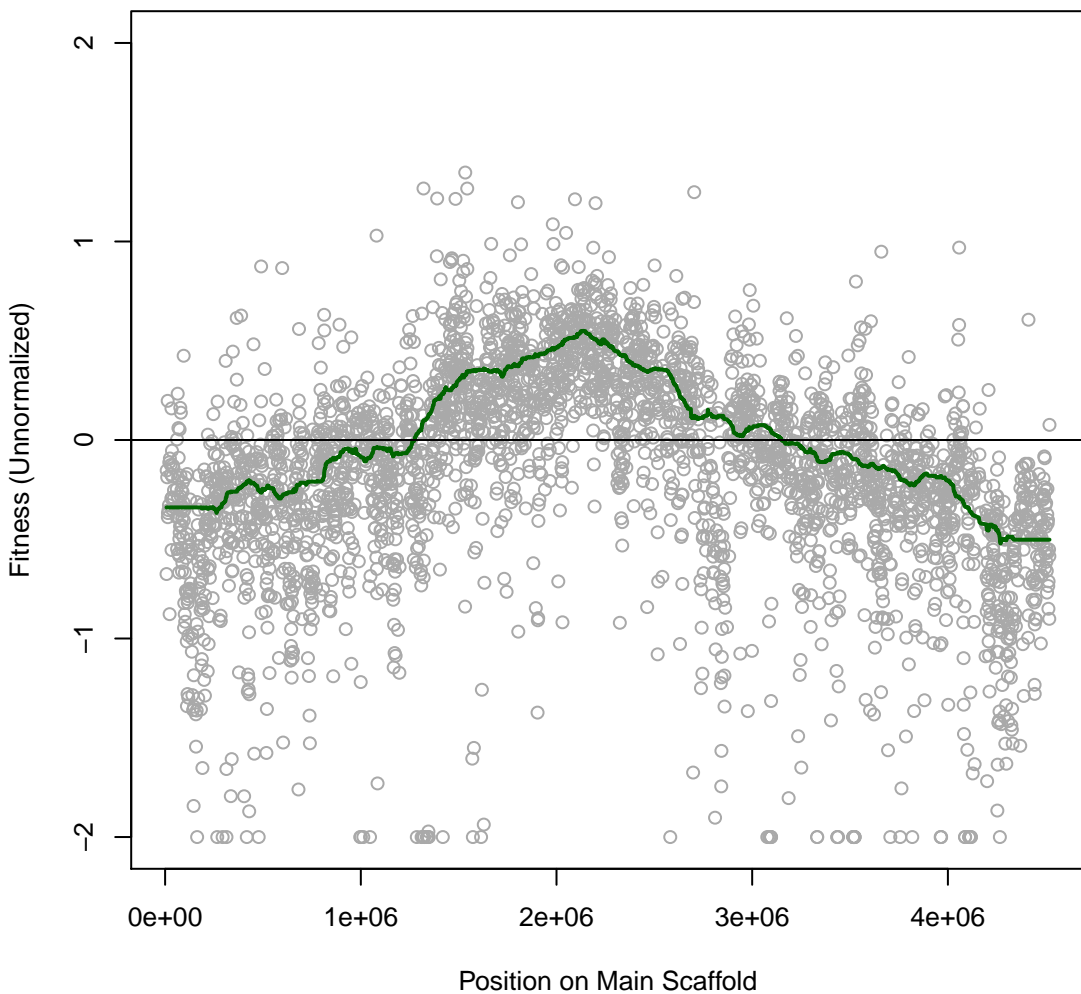
**Cup4G11 1IT030 #30 (gMed=158 rho12=0.109)**  
**Sucrose (C)**



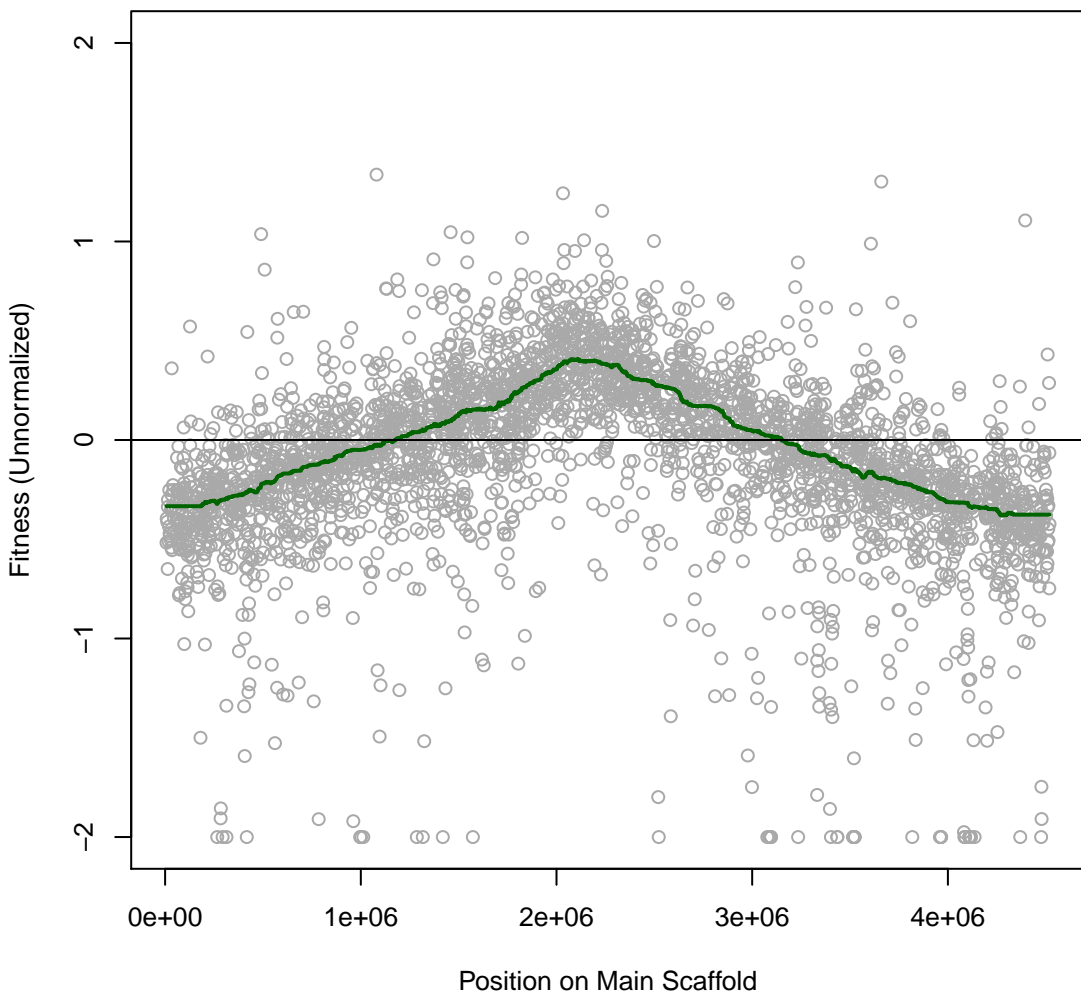
**Cup4G11 1IT031 #31 (gMed=161 rho12=0.130)**  
 **$\alpha$ -Ketoglutaric (C)**



**Cup4G11 1IT032 #32 (gMed=157 rho12=0.319)**  
**D-Gluconic Acid (C)**

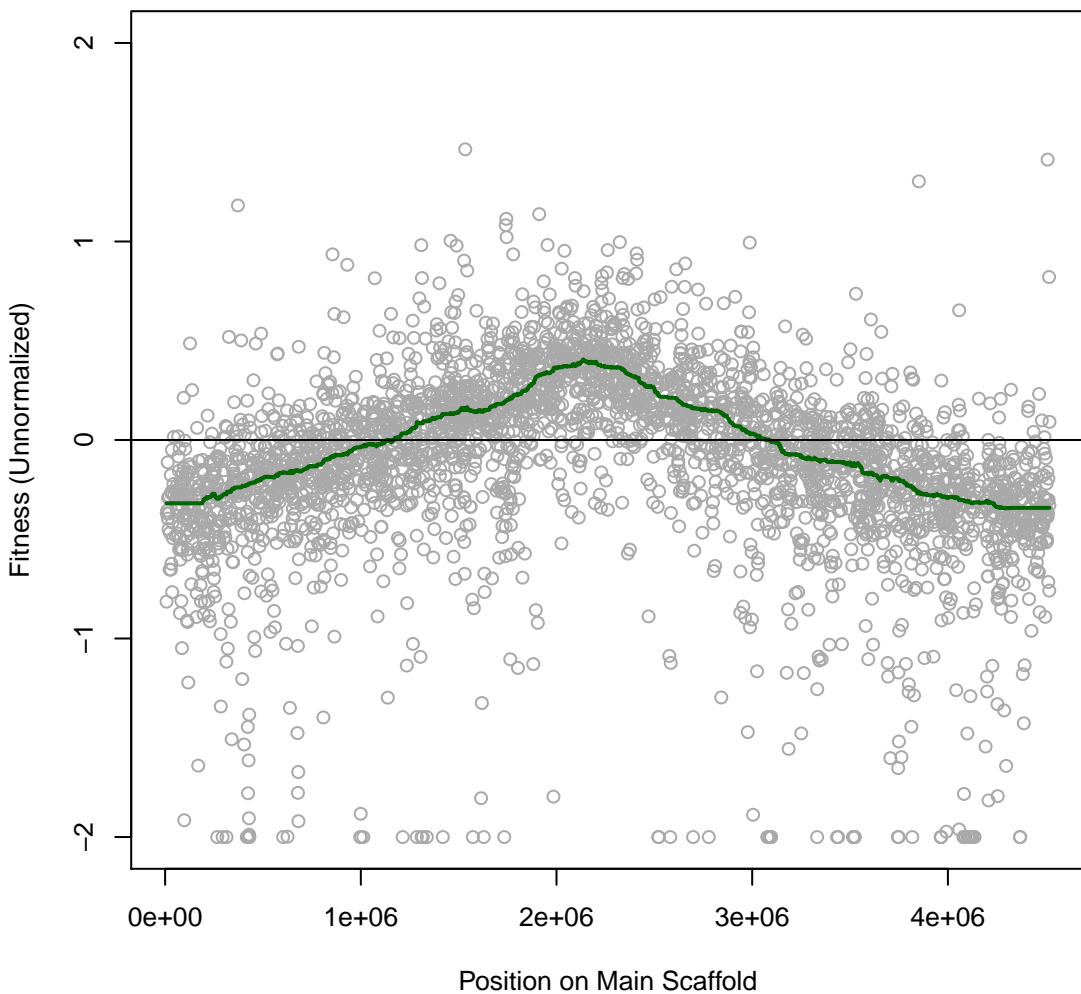


**Cup4G11 1IT033 #33 (gMed=133 rho12=0.118)**  
**Trisodium citrate (C)**

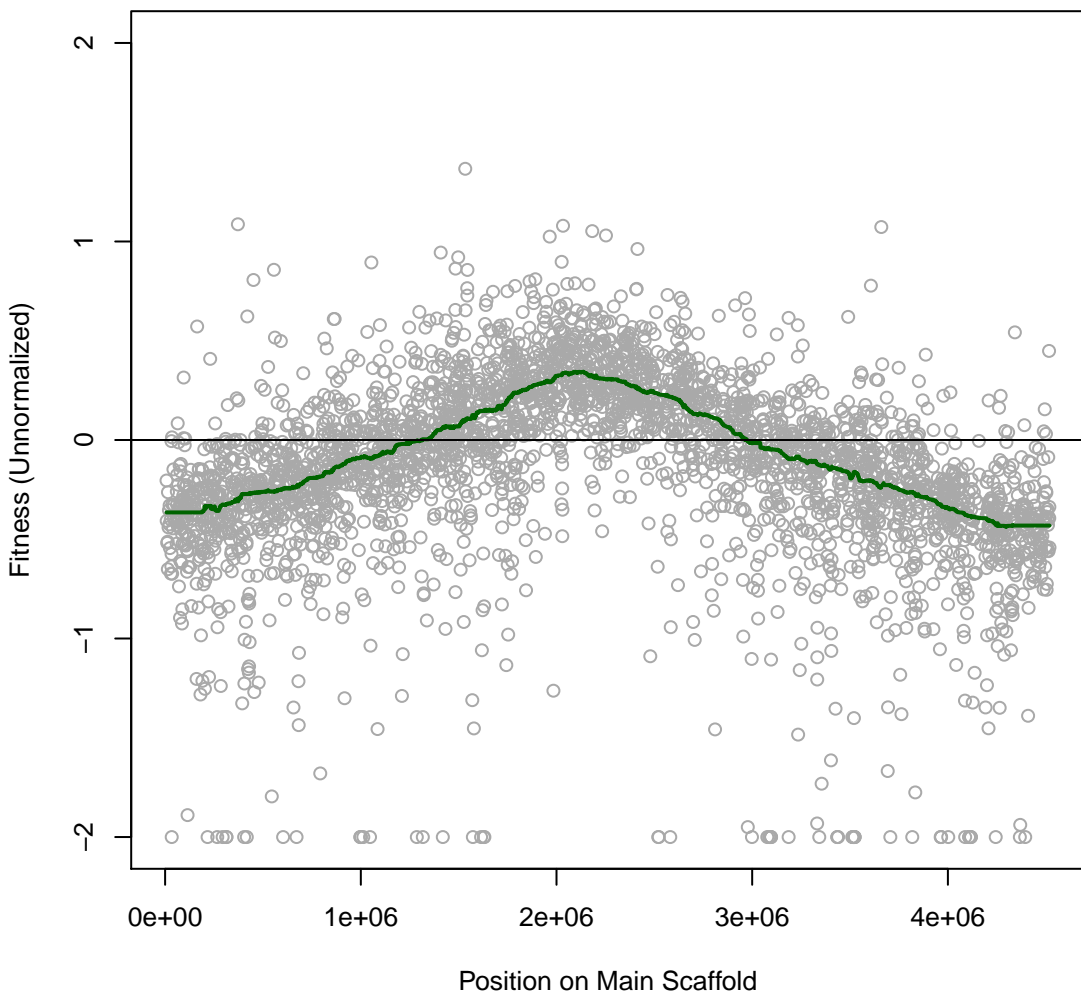


**Cup4G11 1IT034 #34 (gMed=168 rho12=0.125)**

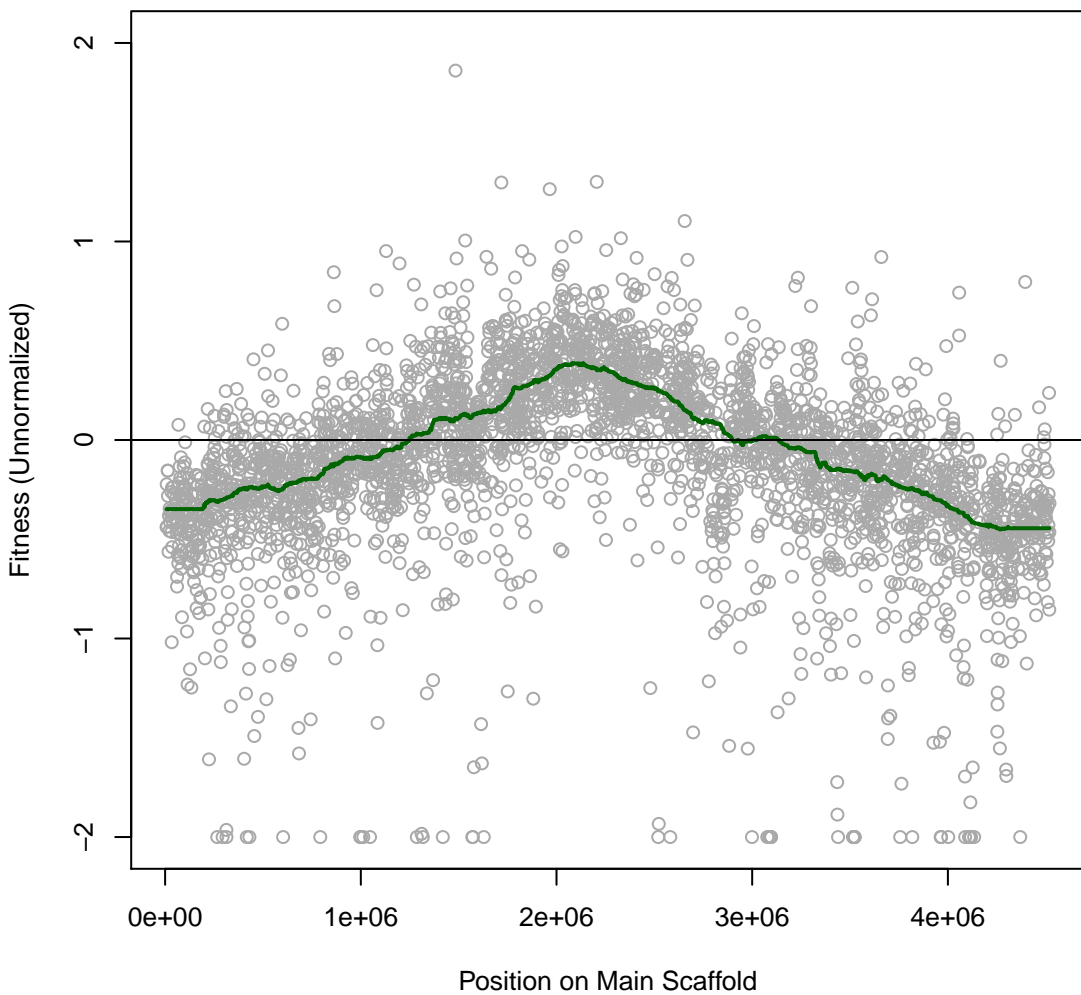
**D-Lactate (C)**



**Cup4G11 1IT035 #35 (gMed=158 rho12=0.114)**  
**L-Lactate (C)**

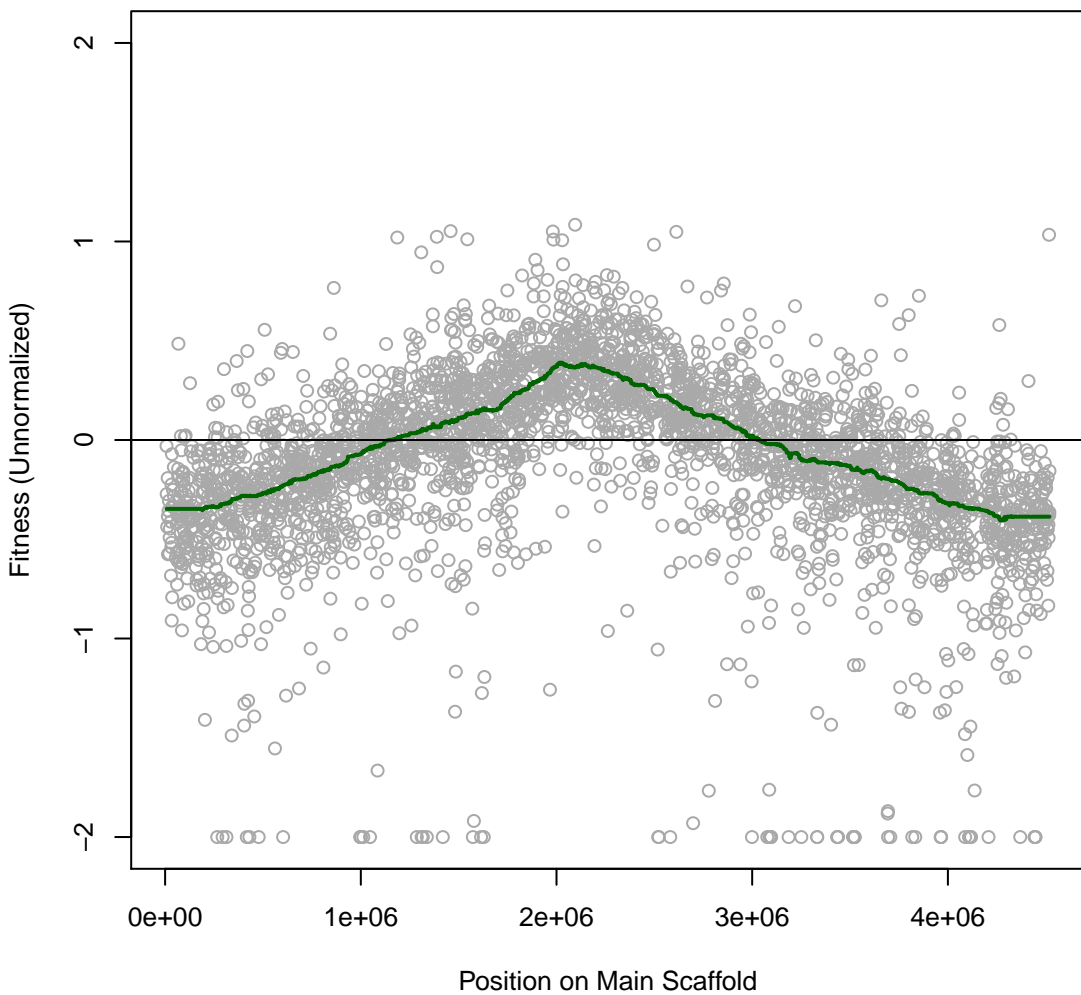


**Cup4G11 1IT036 #36 (gMed=157 rho12=0.113)**  
**D,L-Lactate (C)**

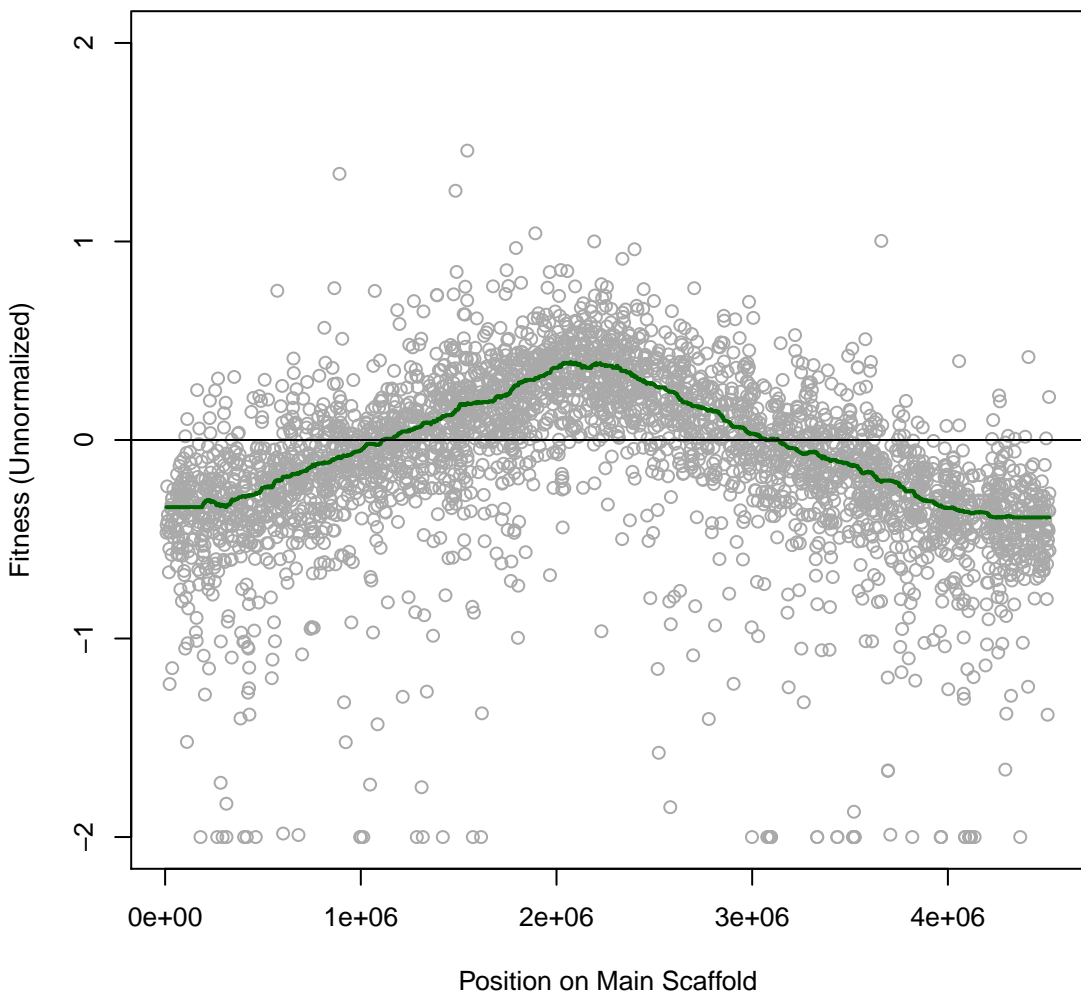




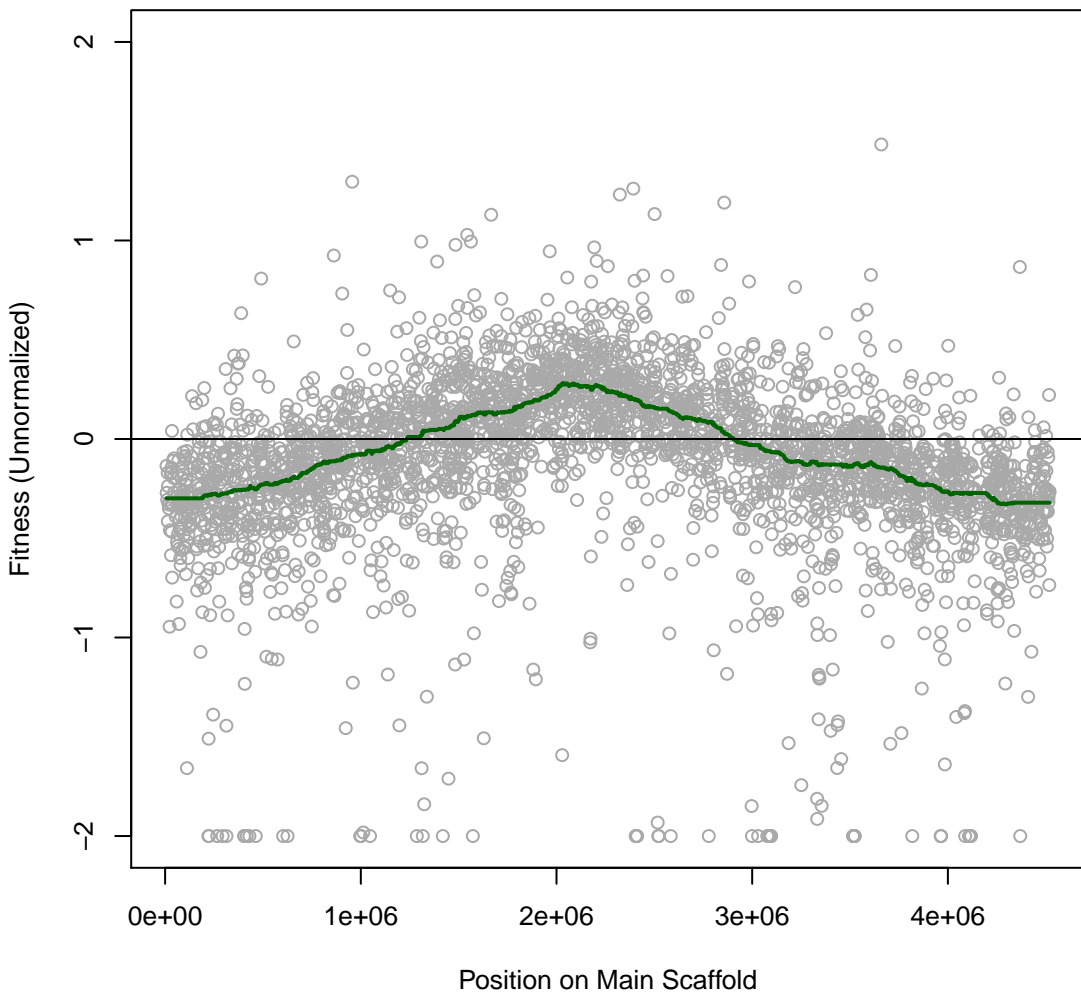
**Cup4G11 1IT037 #37 (gMed=167 rho12=0.123)**  
**pyruvate (C)**



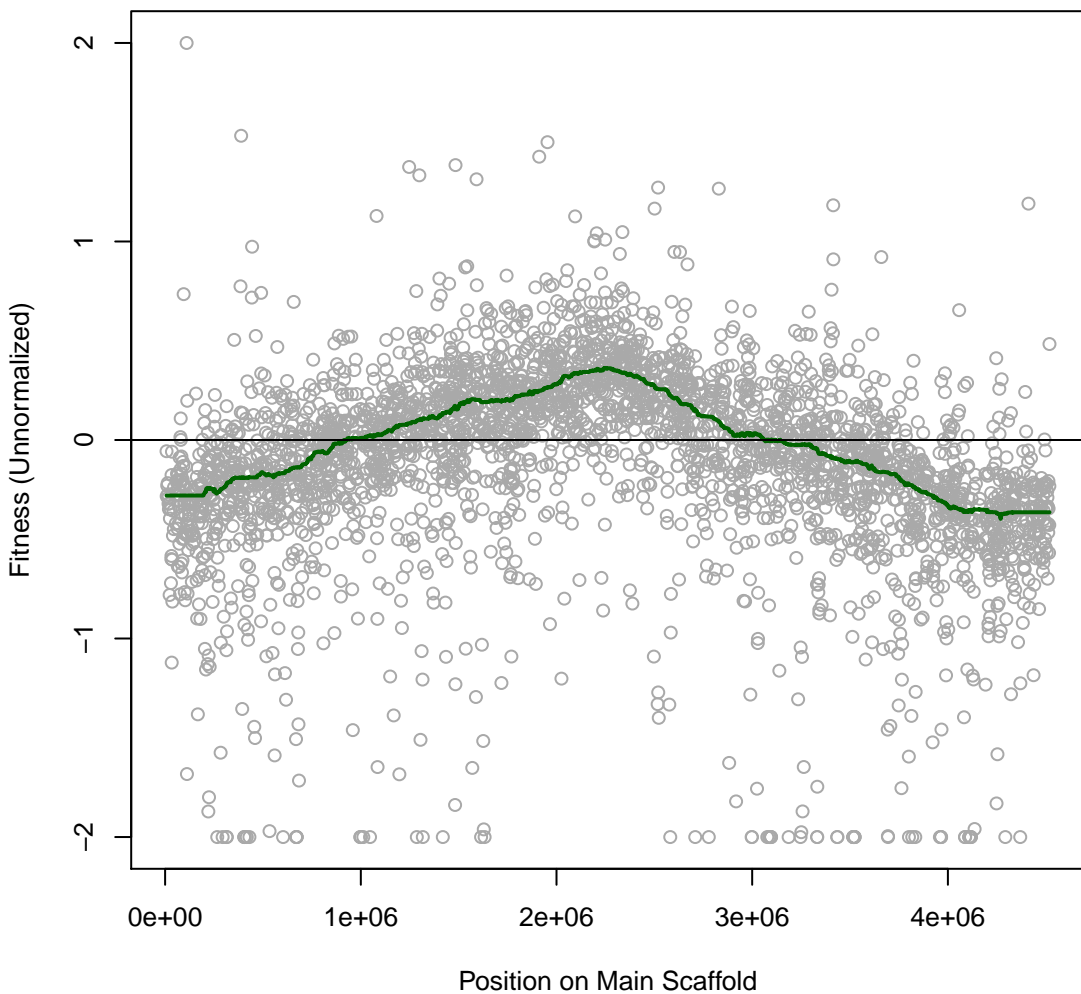
**Cup4G11 1IT038 #38 (gMed=187 rho12=0.116)**  
**succinate (C)**



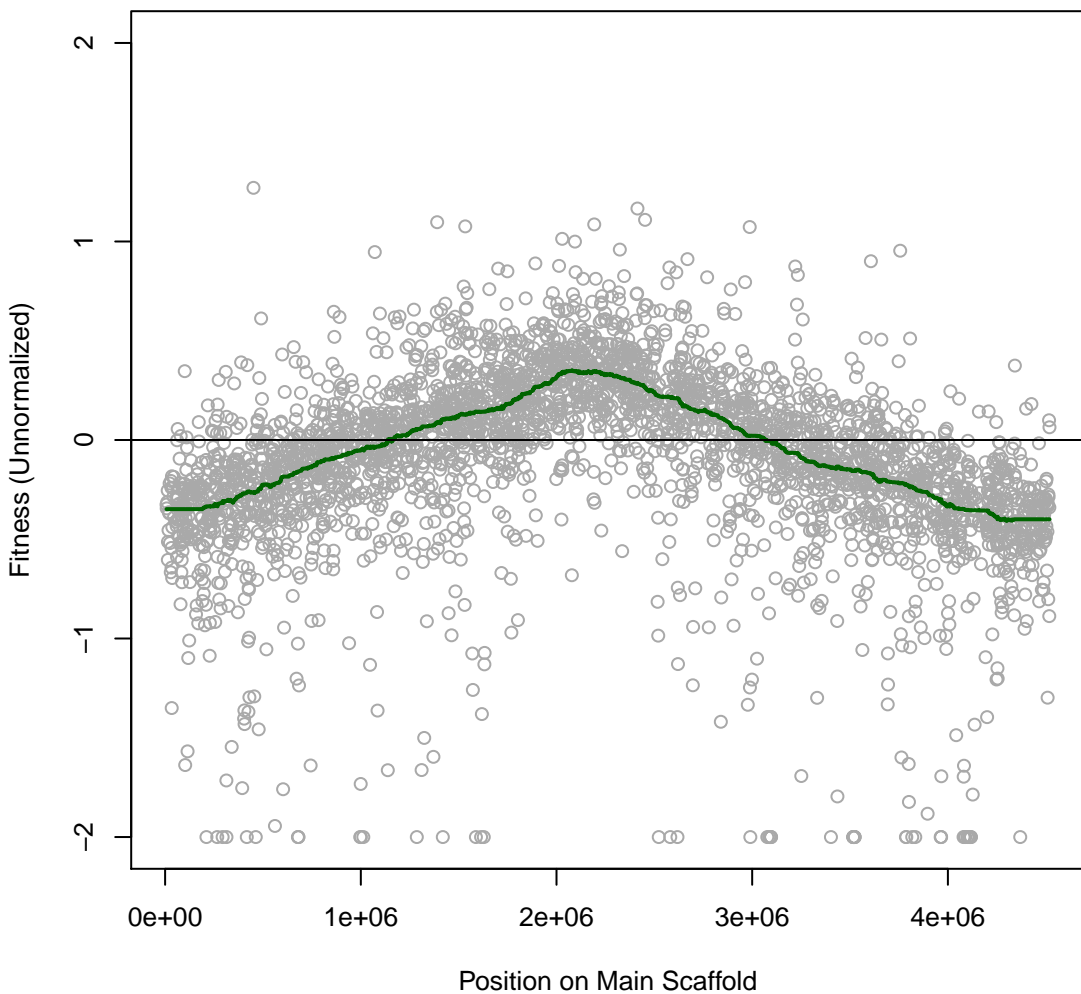
**Cup4G11 1IT039 #39 (gMed=175 rho12=0.107)**  
**propionate (C)**



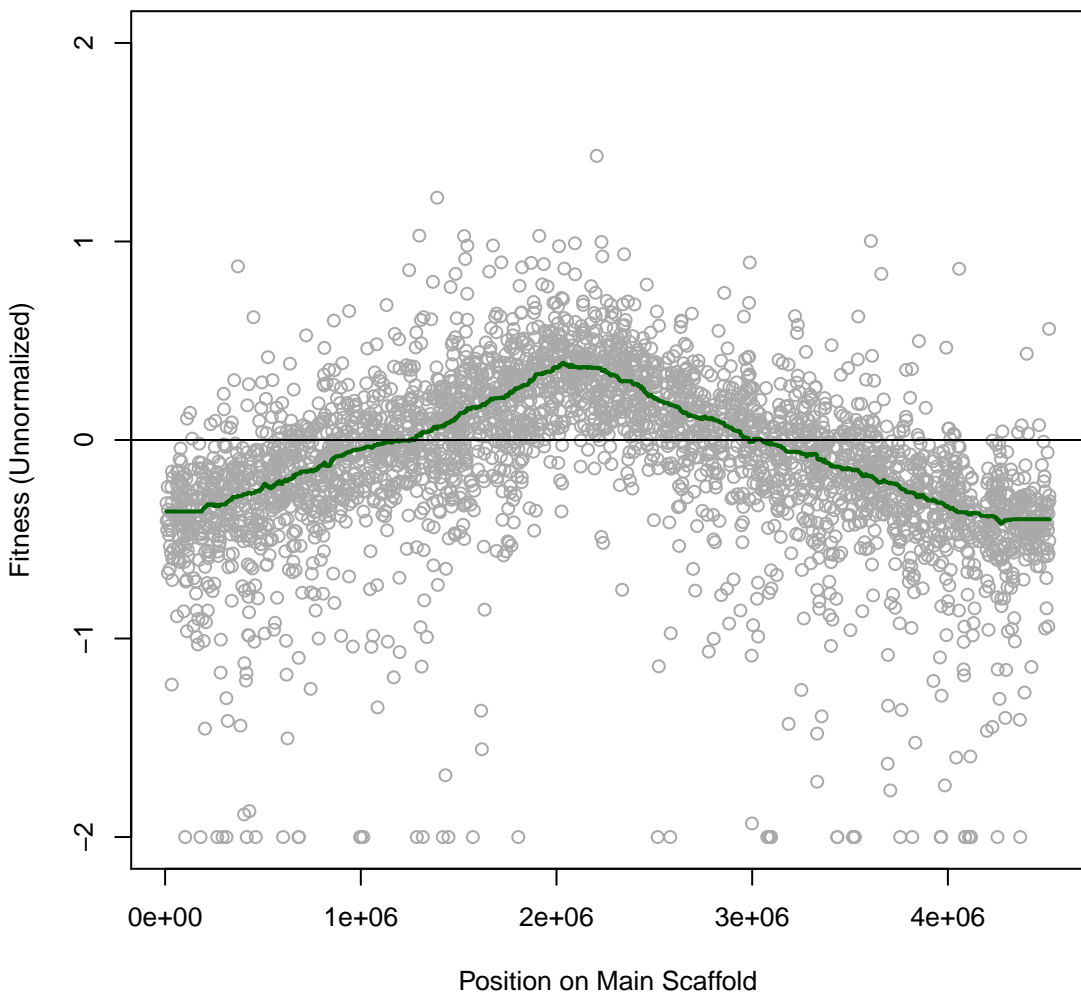
**Cup4G11 1IT040 #40 (gMed=176 rho12=0.142)**  
**4-Hydroxybenzoic Acid (C)**



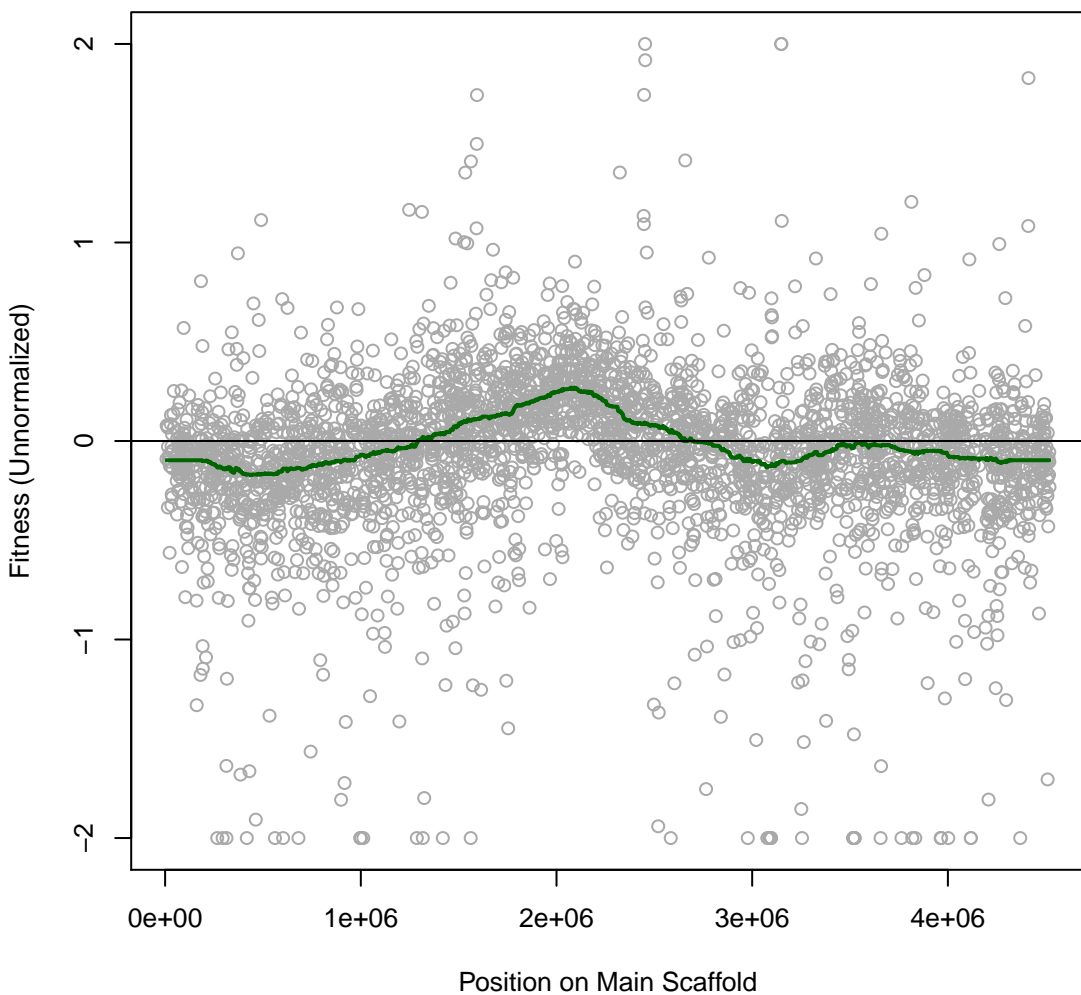
**Cup4G11 1IT041 #41 (gMed=174 rho12=0.125)**  
**Ethanol (C)**



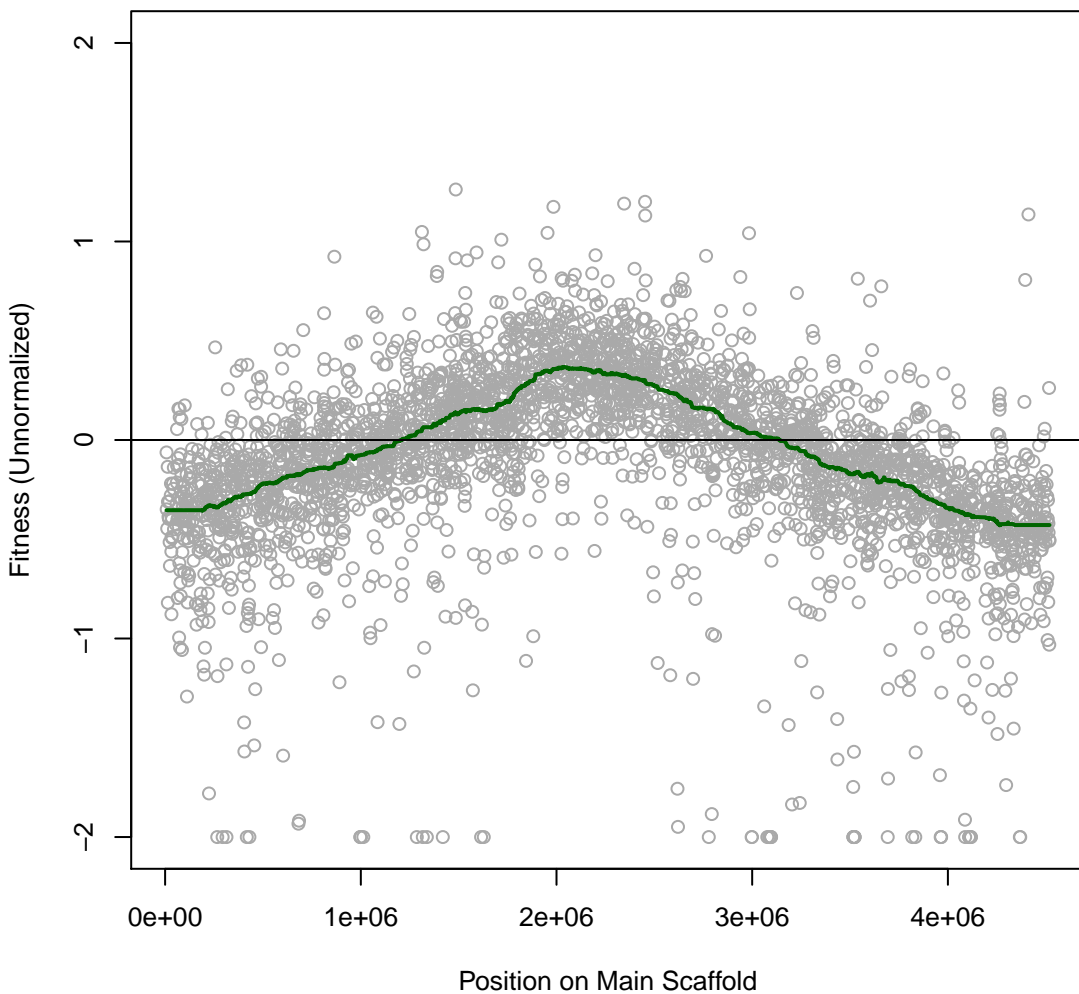
**Cup4G11 1IT042 #42 (gMed=152 rho12=0.103)**  
**L-Malic (C)**



**Cup4G11 1IT043 #43 (gMed=170 rho12=0.136)**  
**L-Histidine (C)**

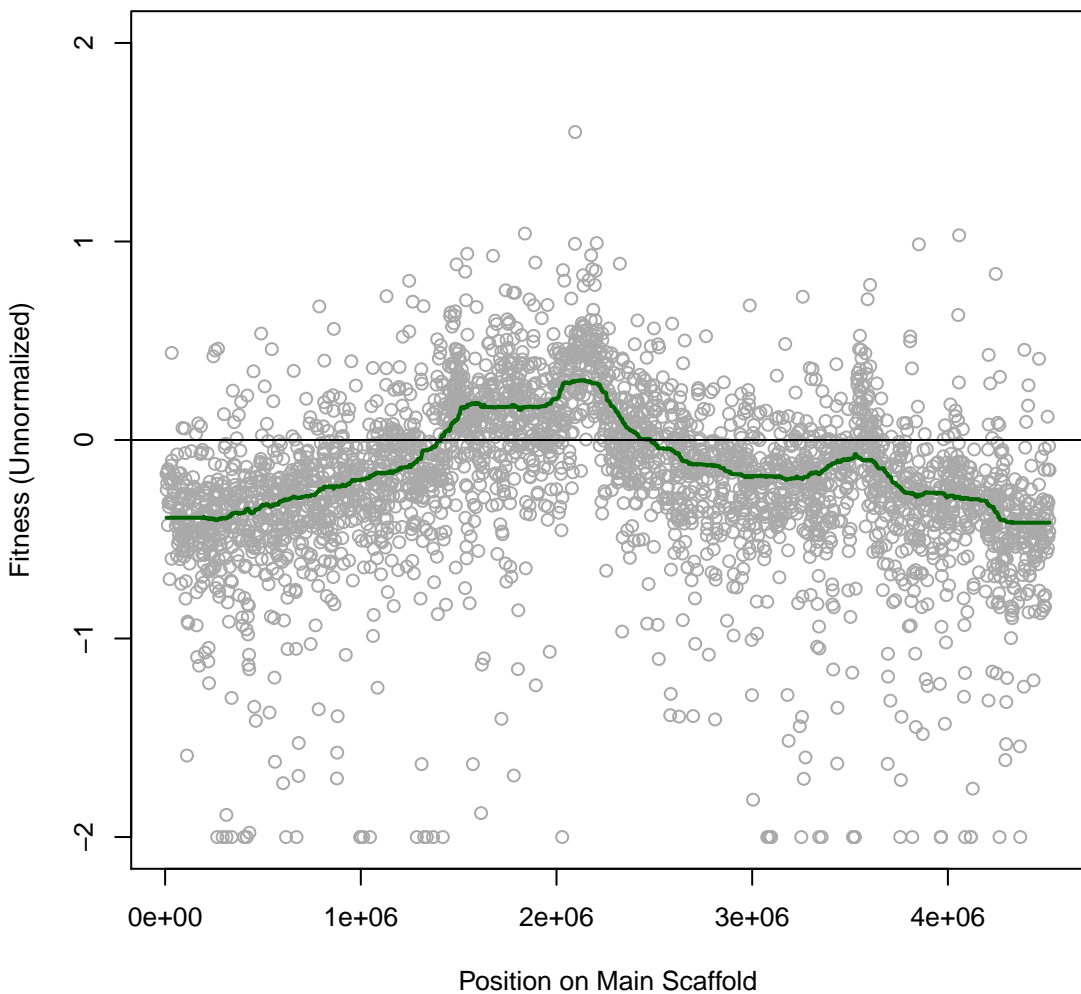


**Cup4G11 1IT044 #44 (gMed=183 rho12=0.101)**  
**L-Threonine (C)**

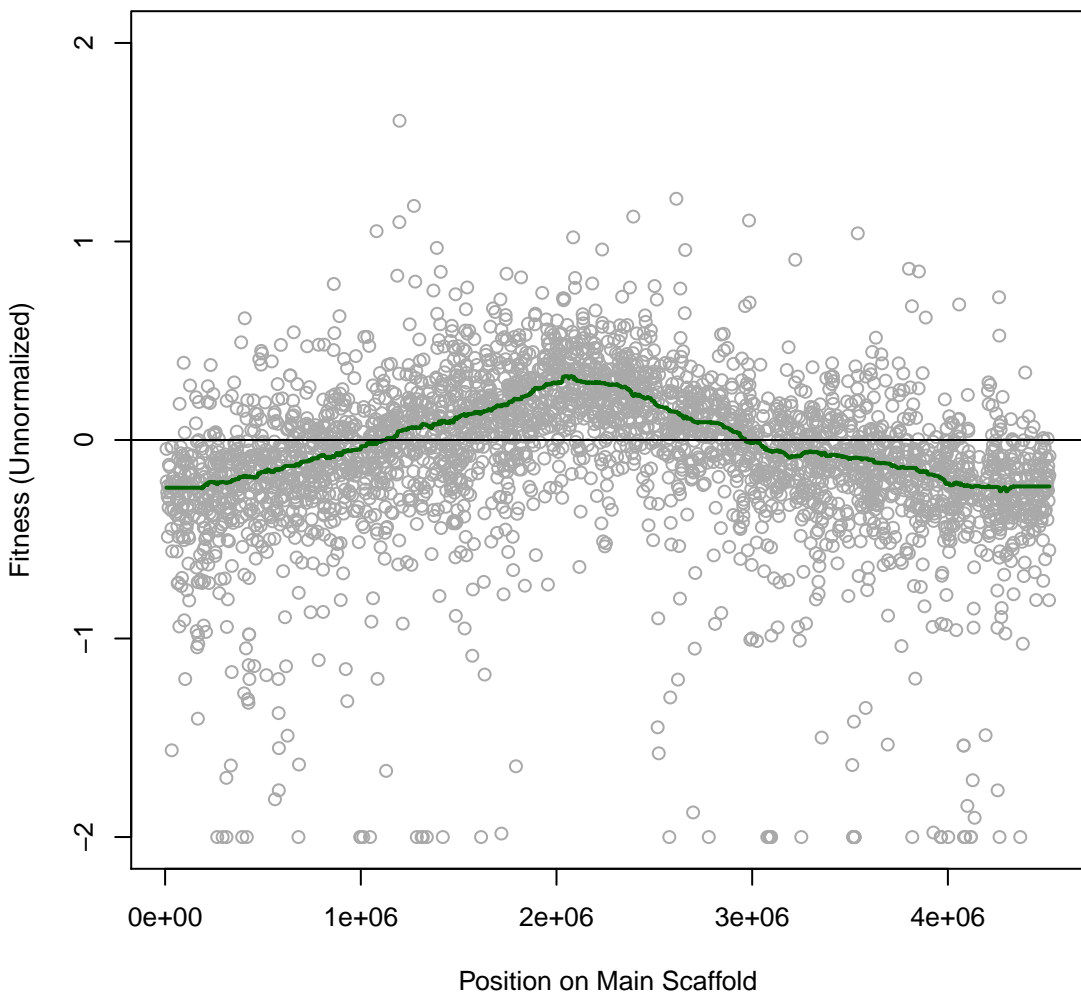




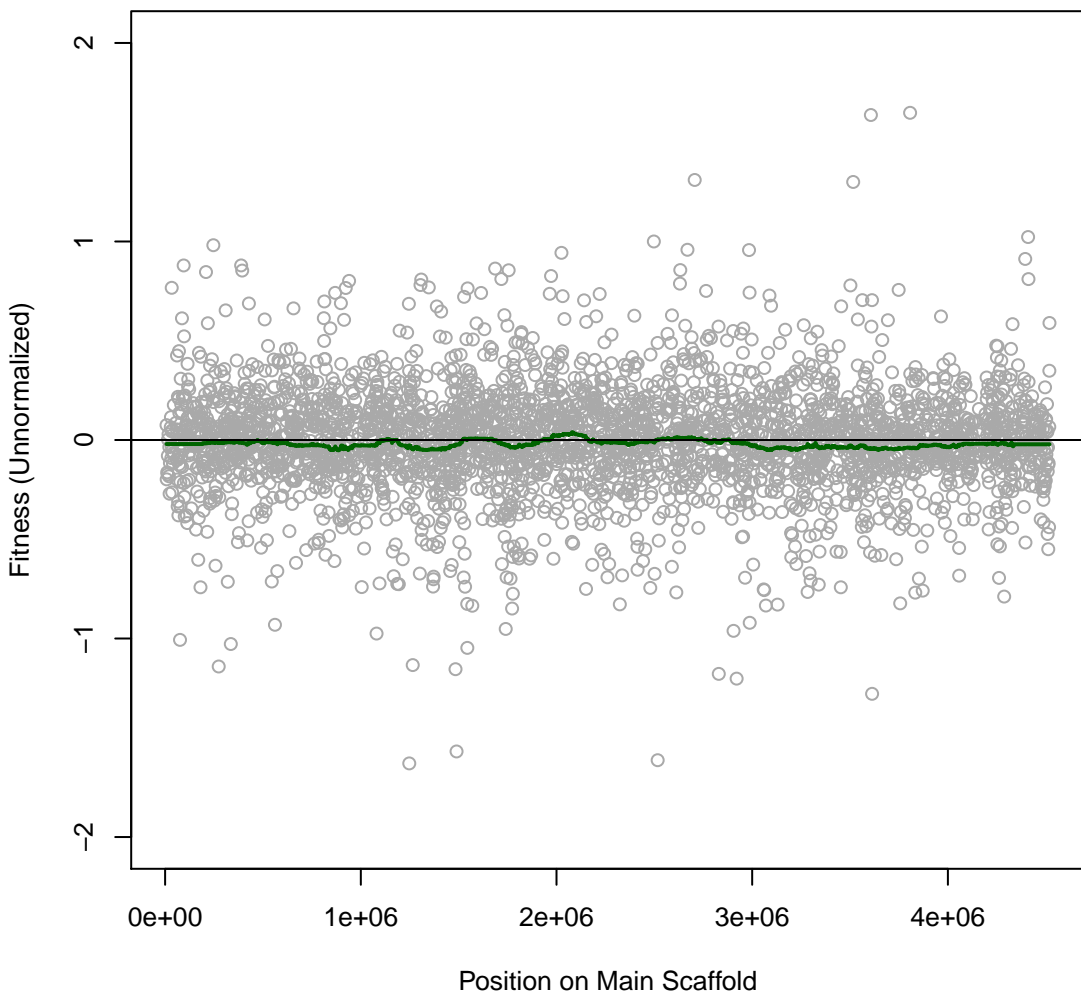
**Cup4G11 1IT045 #45 (gMed=170 rho12=0.130)**  
**L-Asparagine (C)**



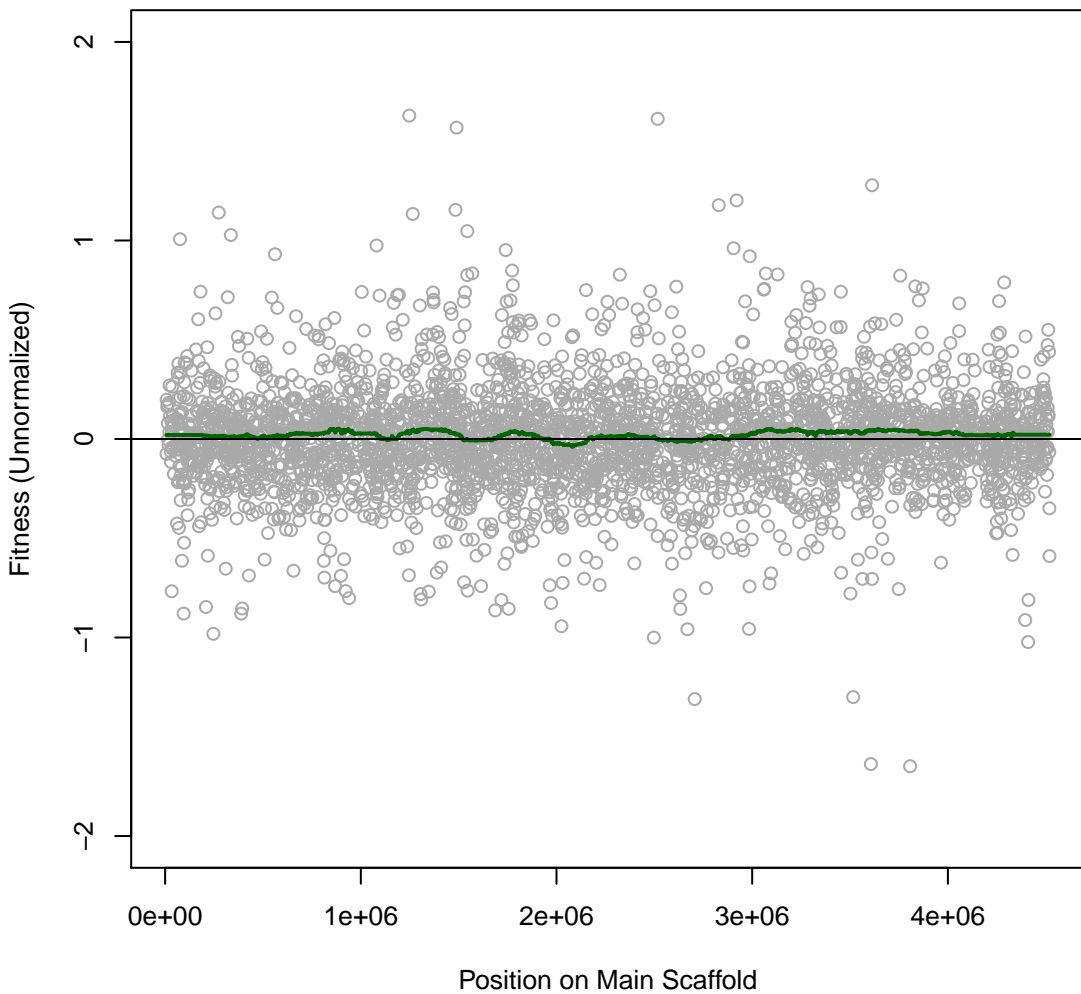
**Cup4G11 1IT046 #46 (gMed=162 rho12=0.116)**  
**L-Glutamine (C)**



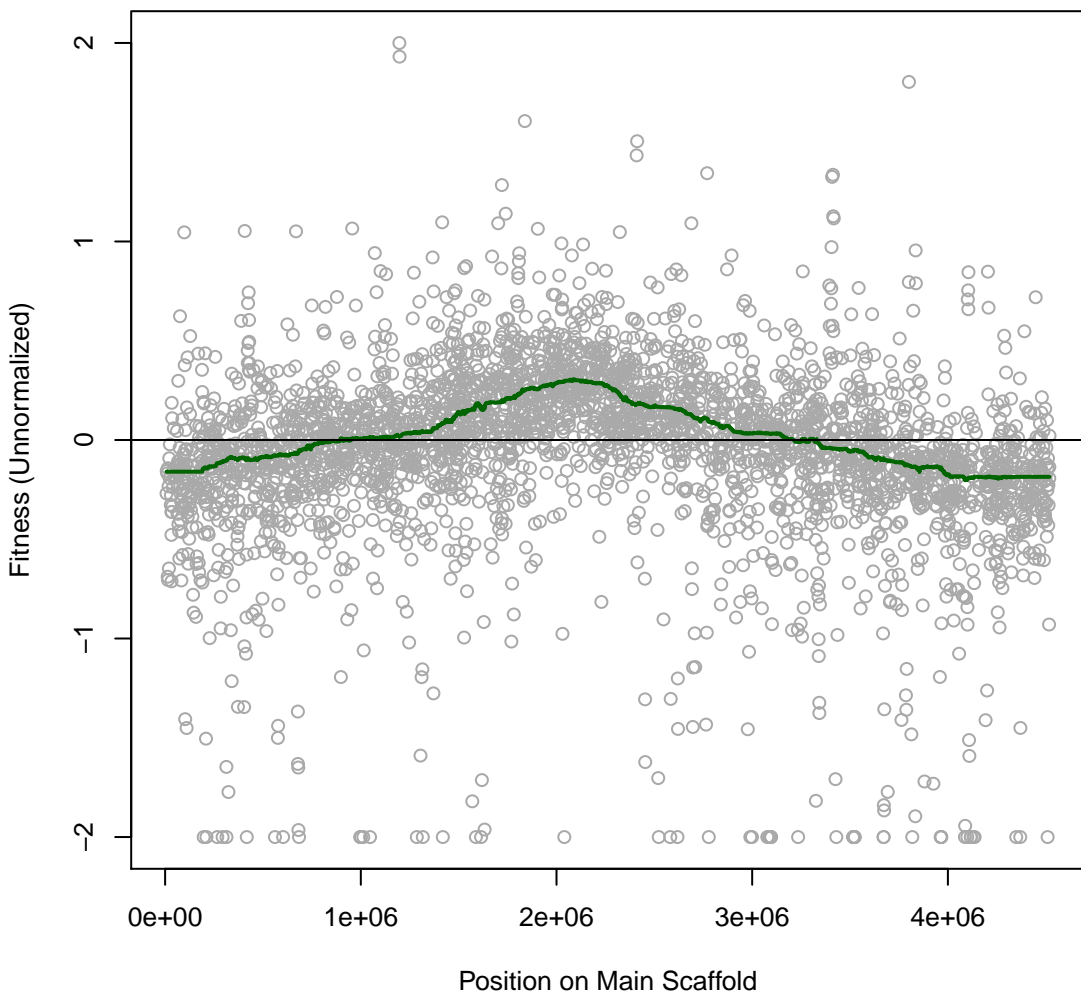
**Cup4G11 1IT047 #47 (gMed=156 rho12=-0.004)**  
**Time0**



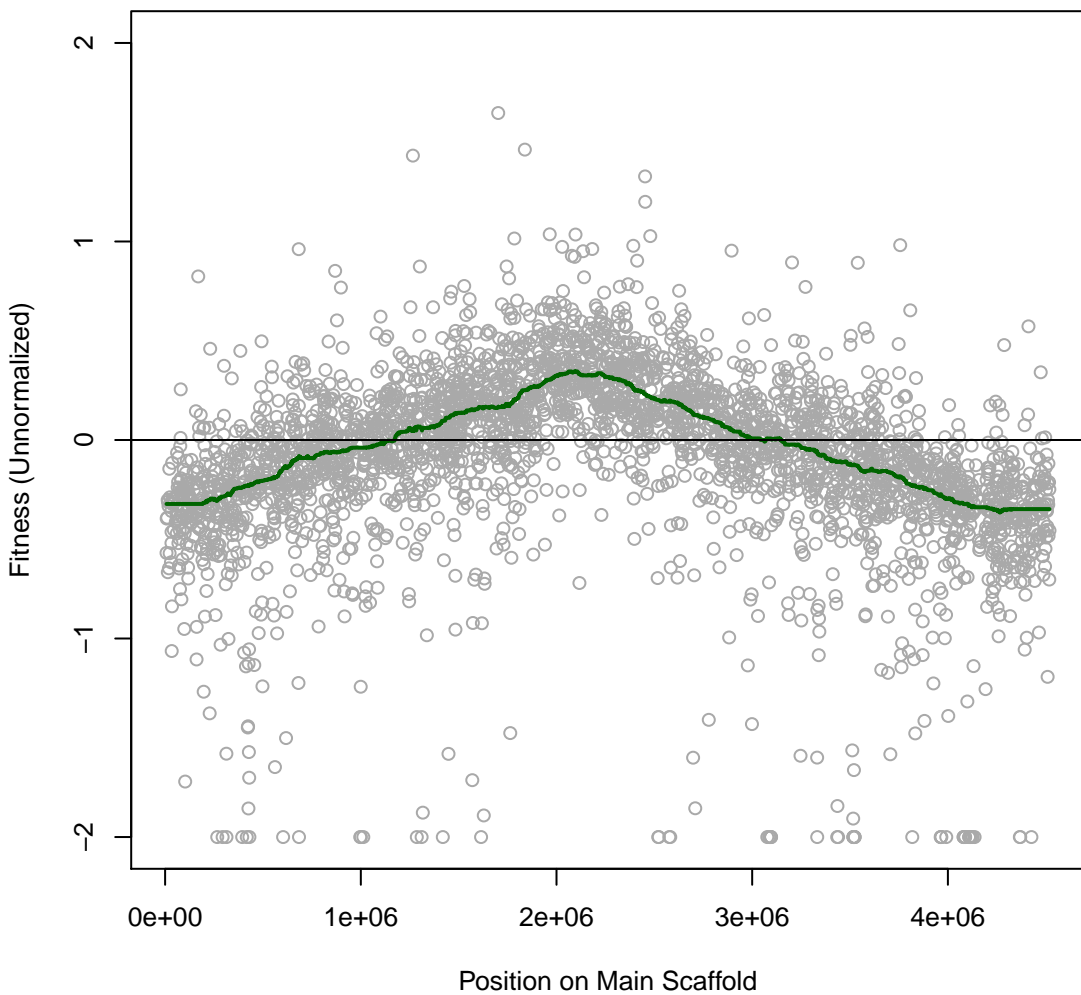
**Cup4G11 1IT048 #48 (gMed=178 rho12=-0.004)**  
**Time0**



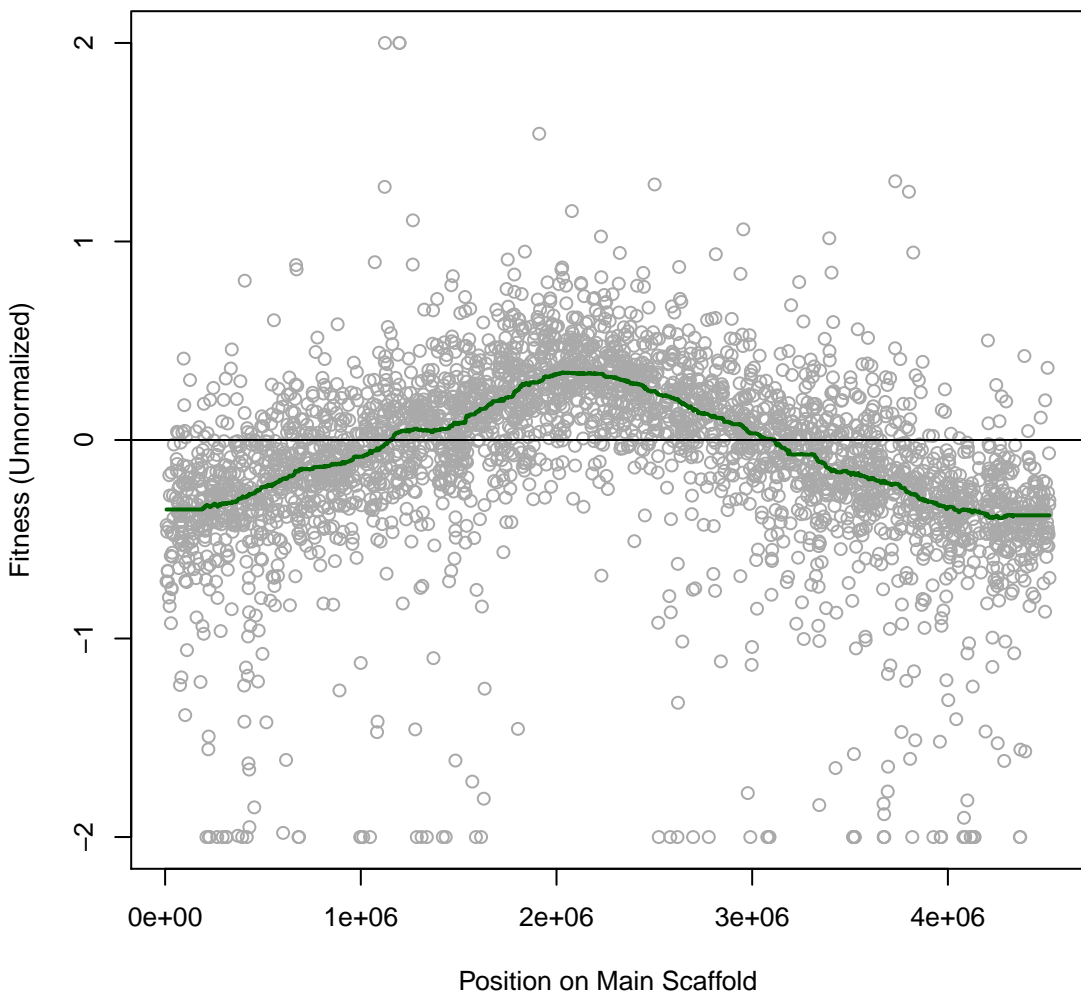
**Cup4G11 2IT049 #49 (gMed=219 rho12=0.161)**  
**L-Proline (C)**



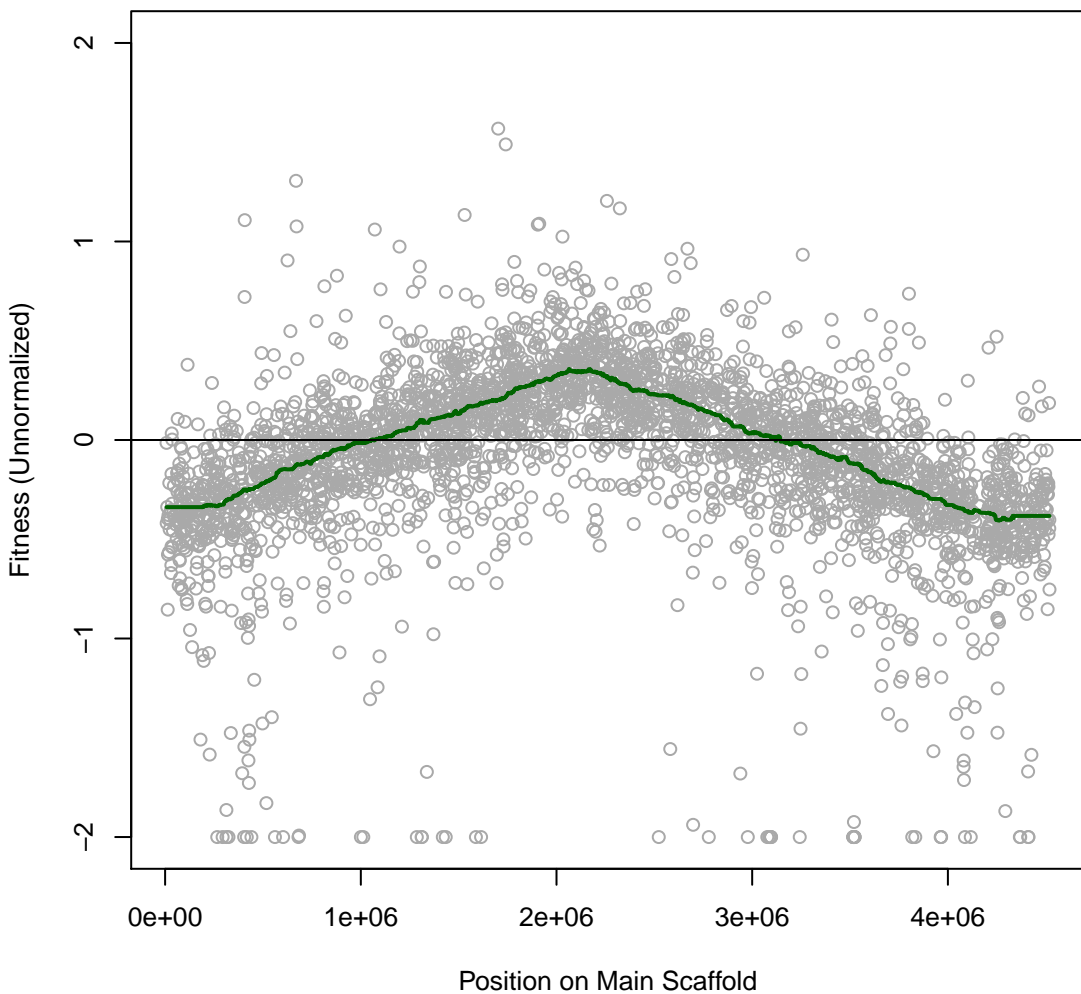
**Cup4G11 2IT050 #50 (gMed=214 rho12=0.126)**  
**L-Alanine (C)**



**Cup4G11 2IT051 #51 (gMed=200 rho12=0.132)**  
**L-Leucine (C)**

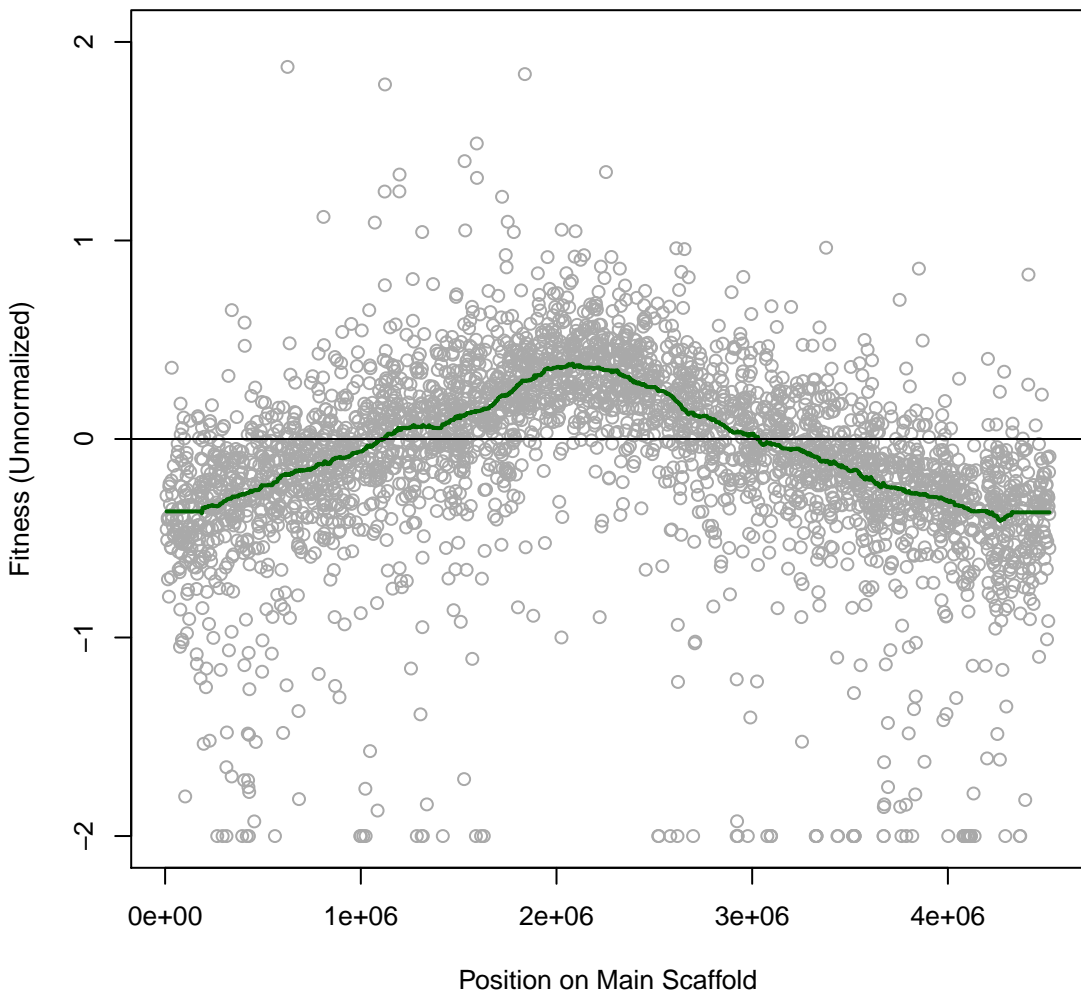


**Cup4G11 2IT052 #52 (gMed=190 rho12=0.116)**  
**L-Phenylalanine (C)**

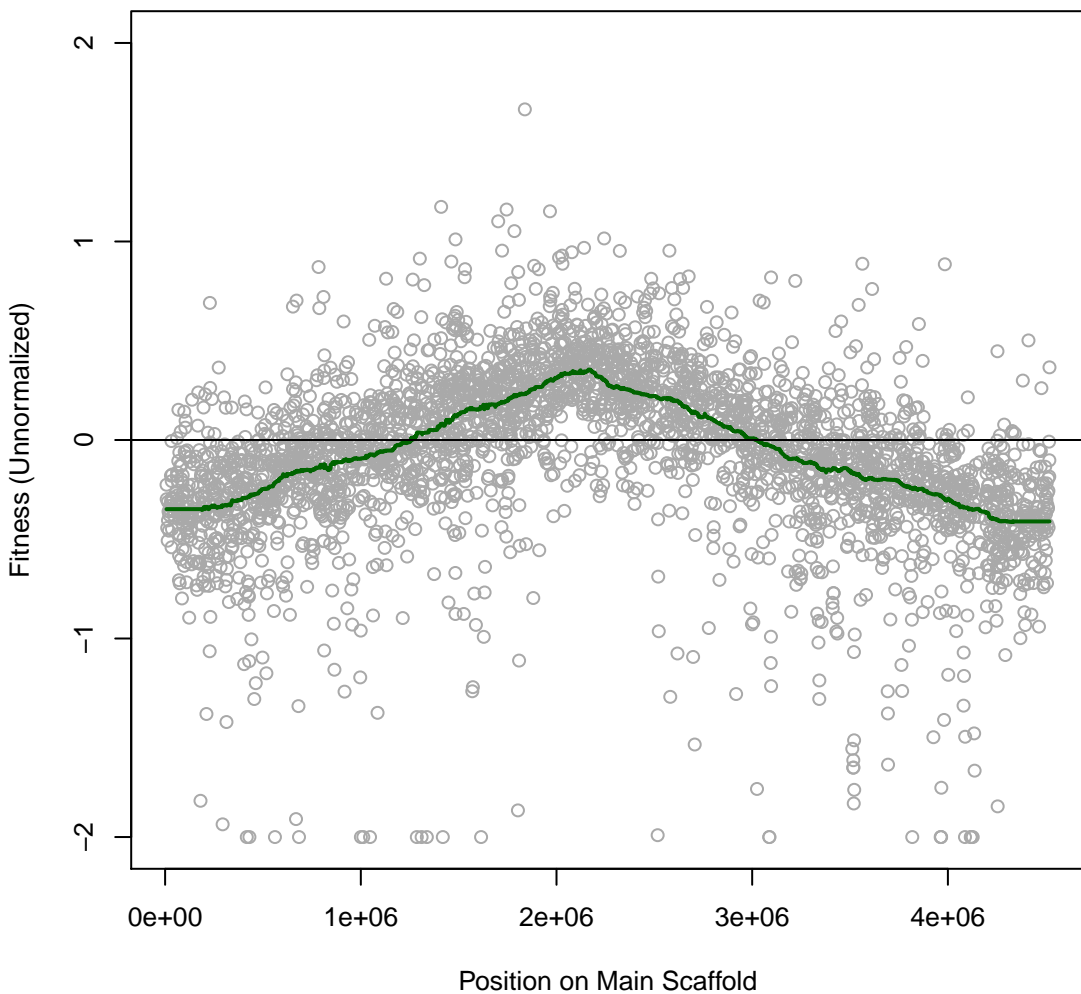




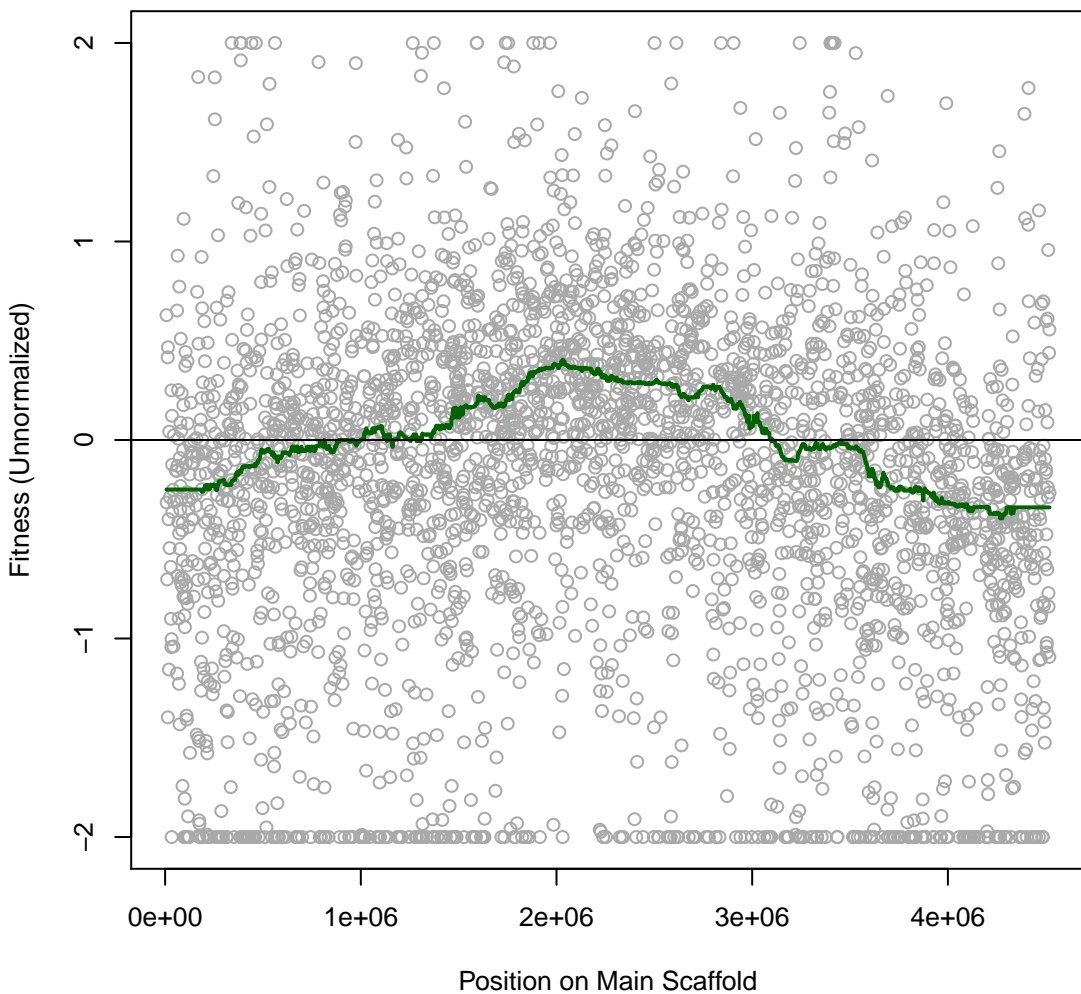
**Cup4G11 2IT053 #53 (gMed=185 rho12=0.139)**  
**L-Tryptophan (C)**



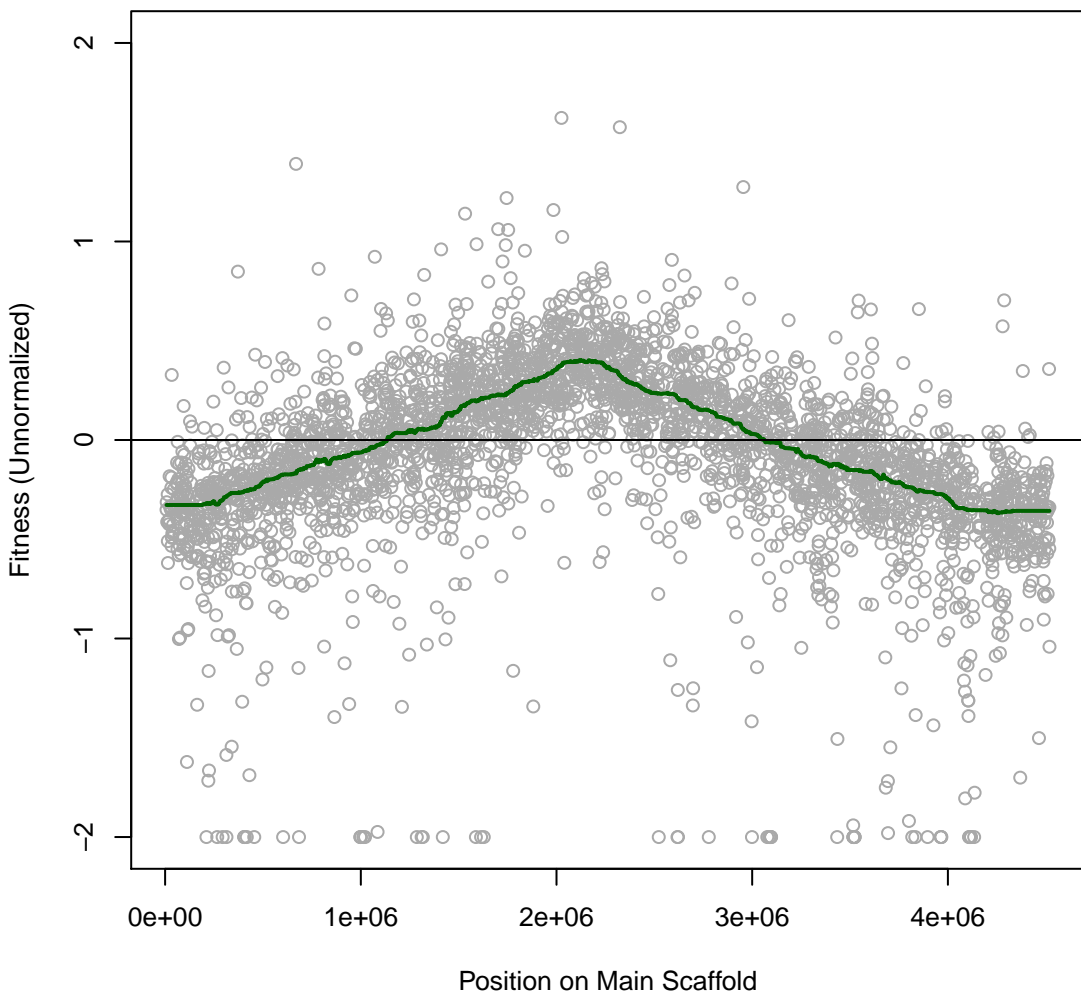
**Cup4G11 2IT054 #54 (gMed=213 rho12=0.093)**  
**casaminos (C)**



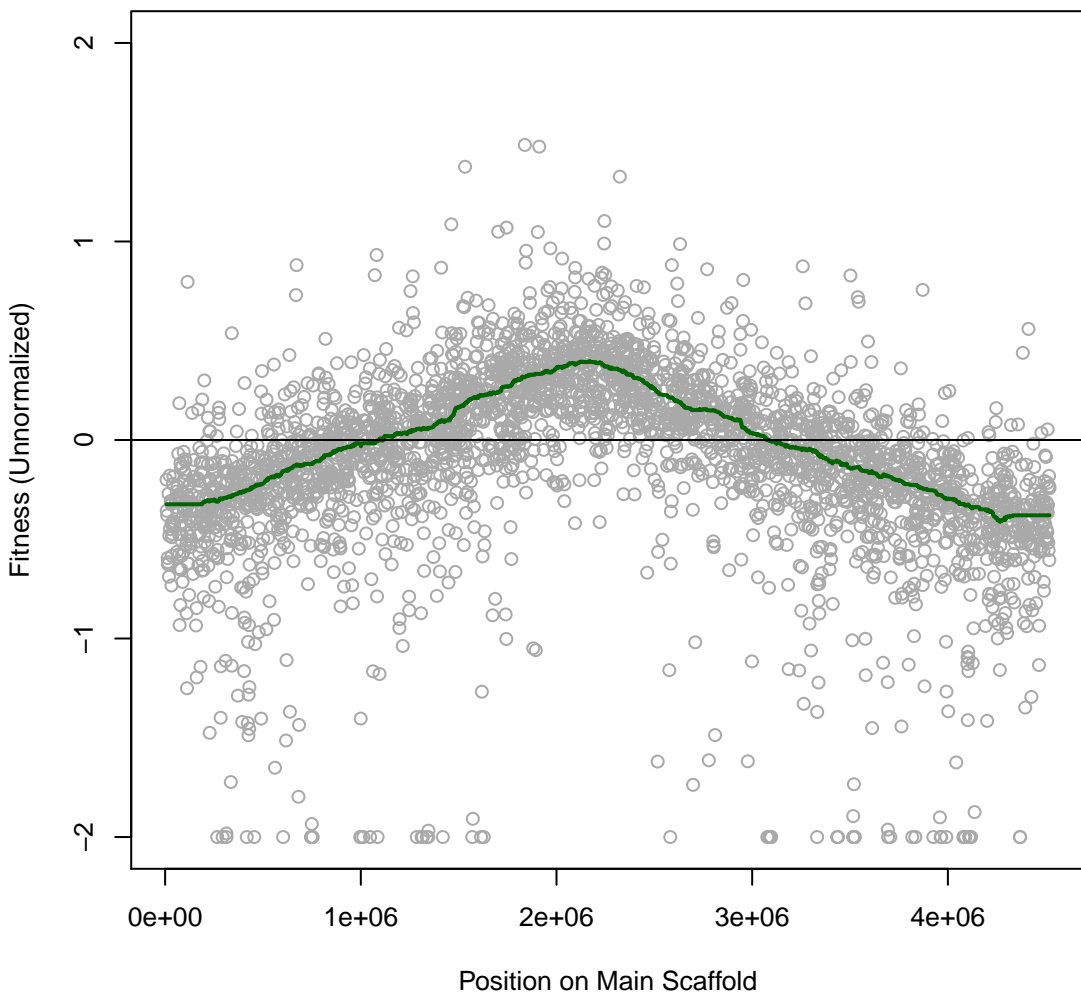
**Cup4G11 2IT055 #55 (gMed=200 rho12=0.207)**  
**octanoate (C)**



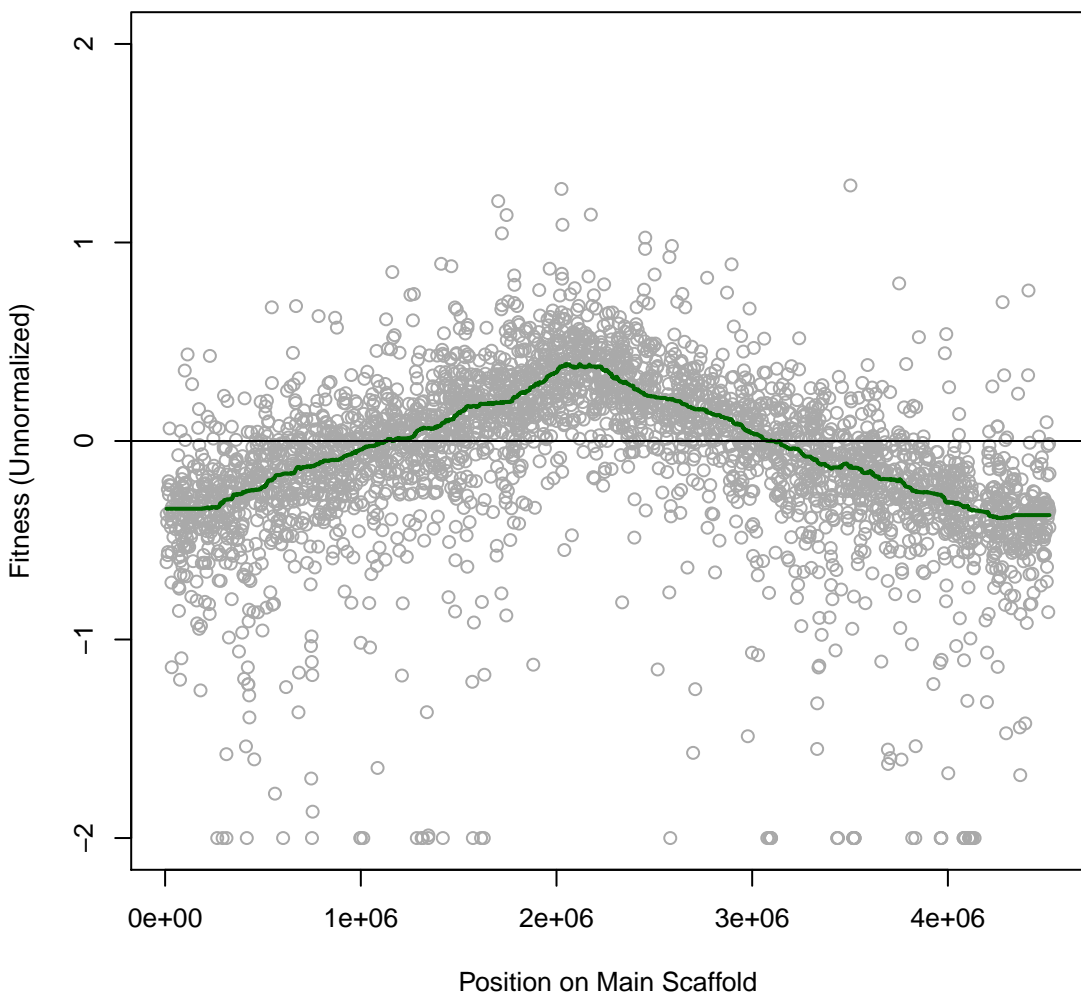
**Cup4G11 2IT056 #56 (gMed=232 rho12=0.113)**  
**butyrate (C)**



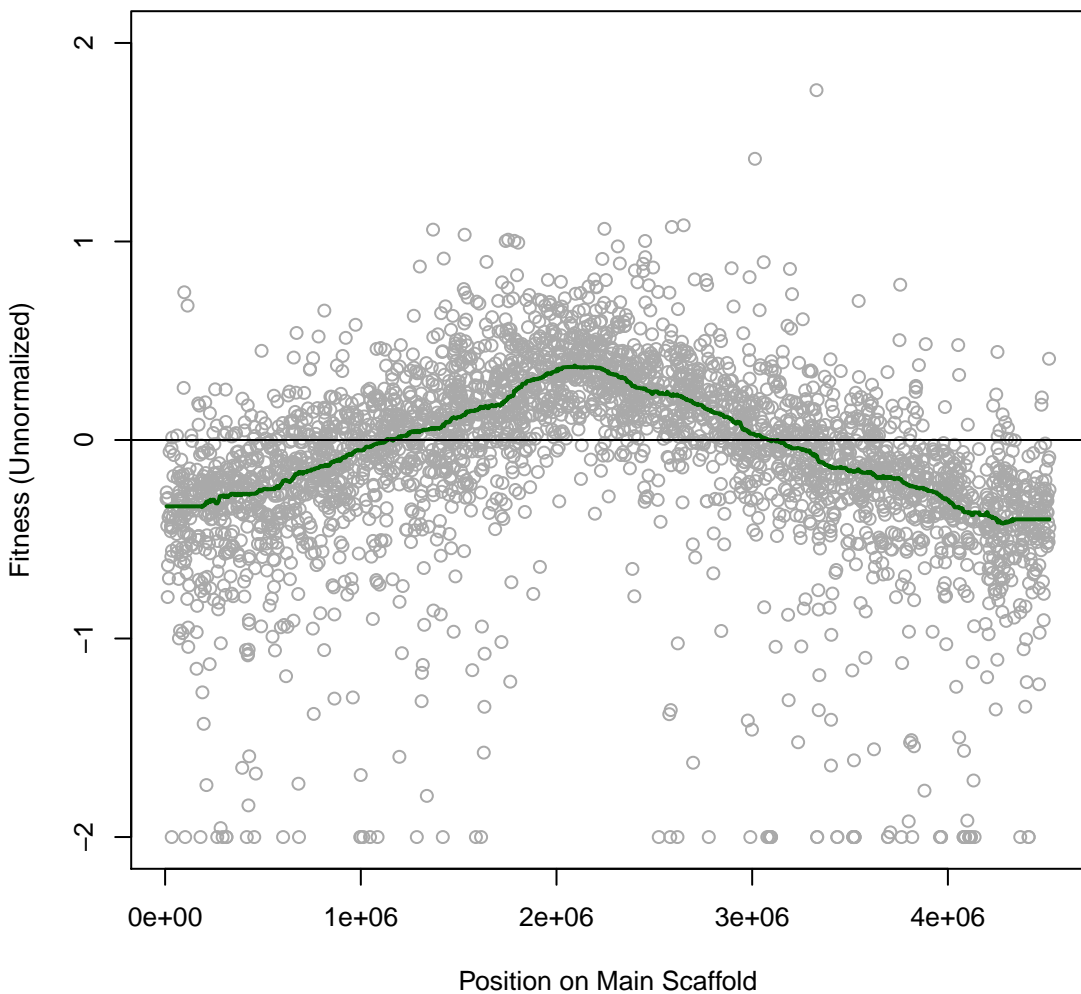
**Cup4G11 2IT057 #57 (gMed=208 rho12=0.115)**  
**D-Fructose (C)**



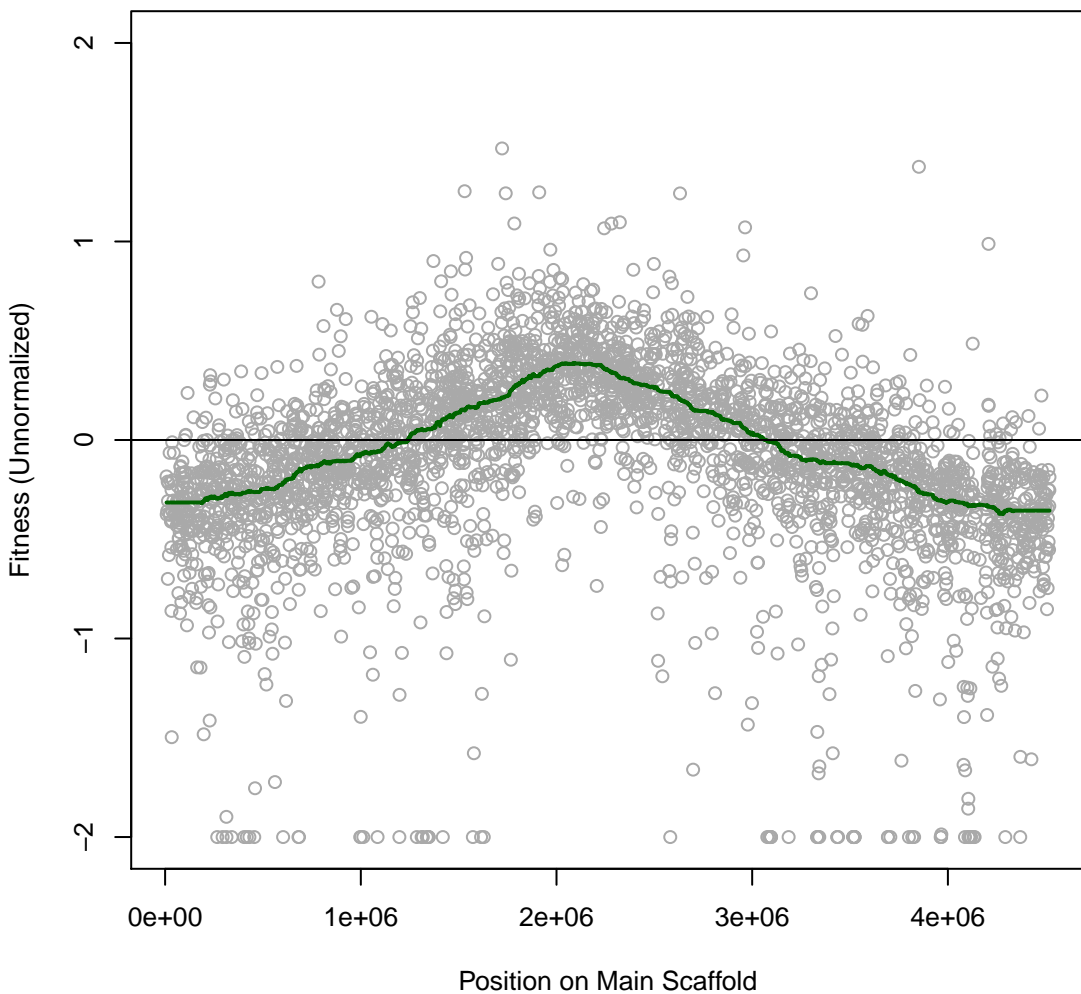
**Cup4G11 2IT058 #58 (gMed=222 rho12=0.090)**  
**Sucrose (C)**



**Cup4G11 2IT059 #59 (gMed=206 rho12=0.141)**  
 **$\alpha$ -Ketoglutaric (C)**

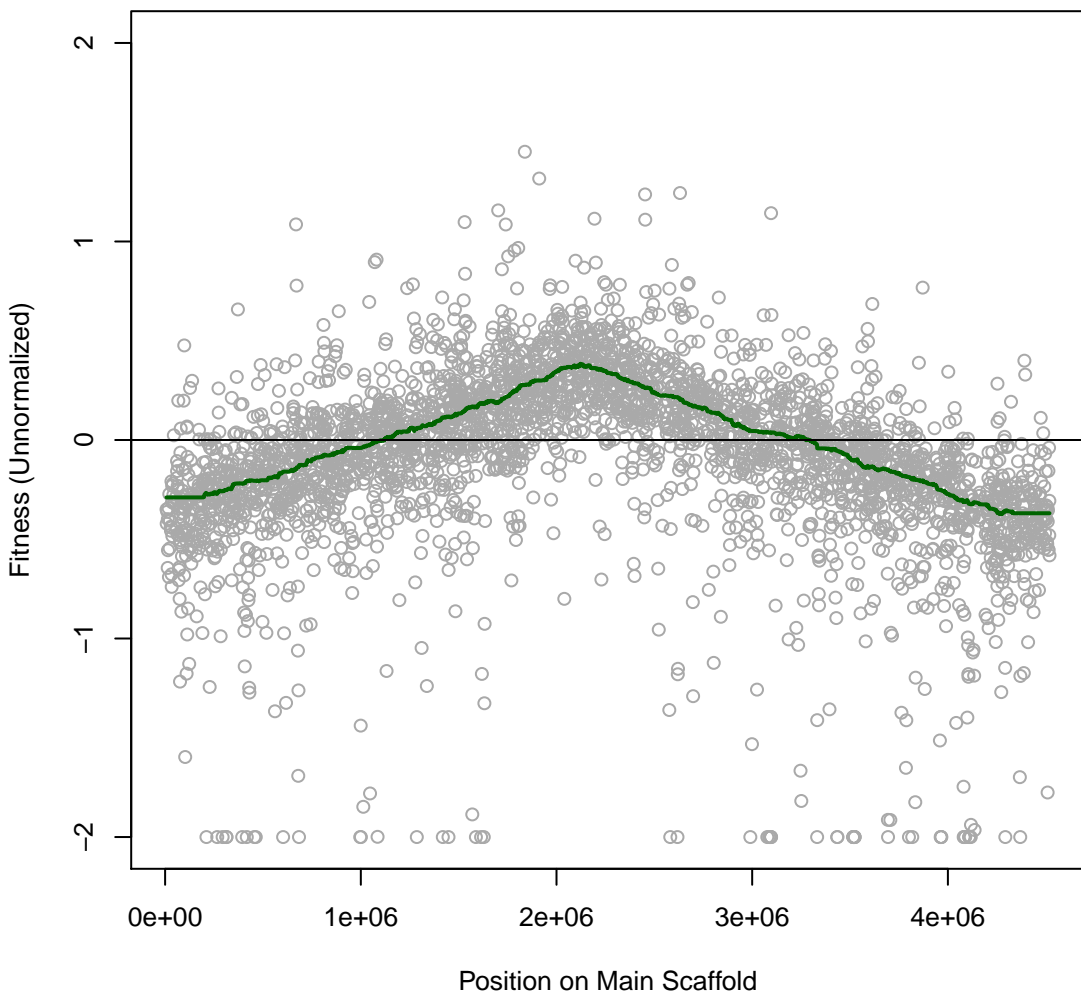


**Cup4G11 2IT060 #60 (gMed=200 rho12=0.181)**  
**D-Gluconic Acid (C)**

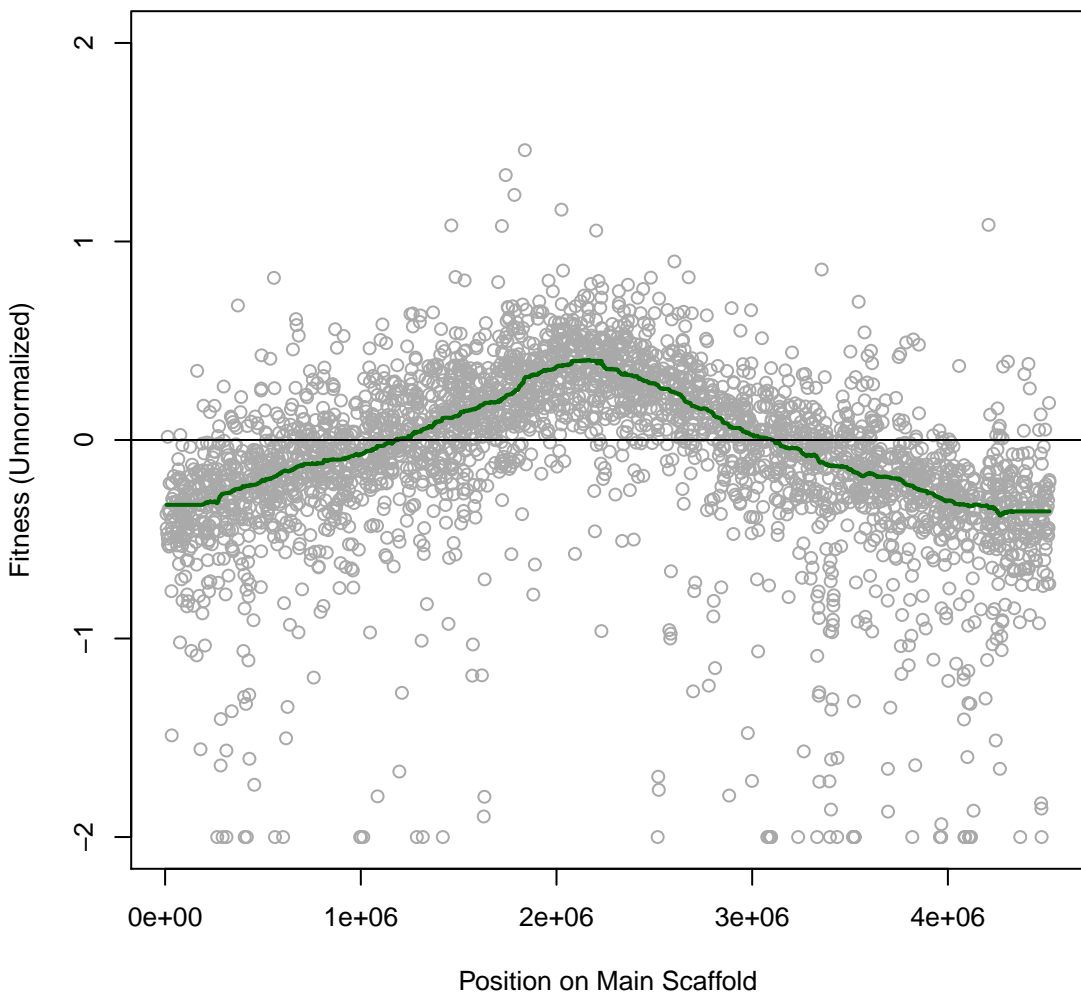




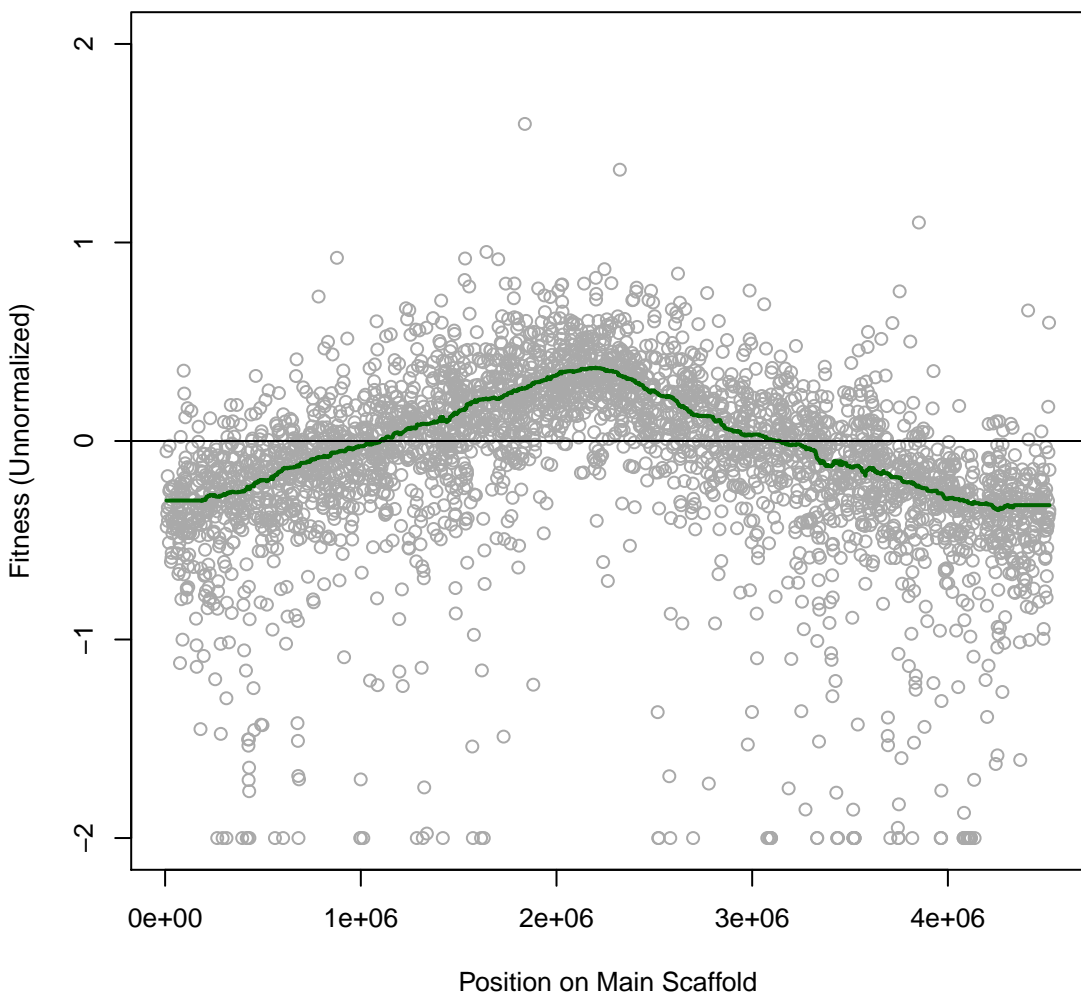
**Cup4G11 2IT061 #61 (gMed=226 rho12=0.098)**  
**acetate (C)**



**Cup4G11 2IT062 #62 (gMed=246 rho12=0.100)**  
**Trisodium citrate (C)**

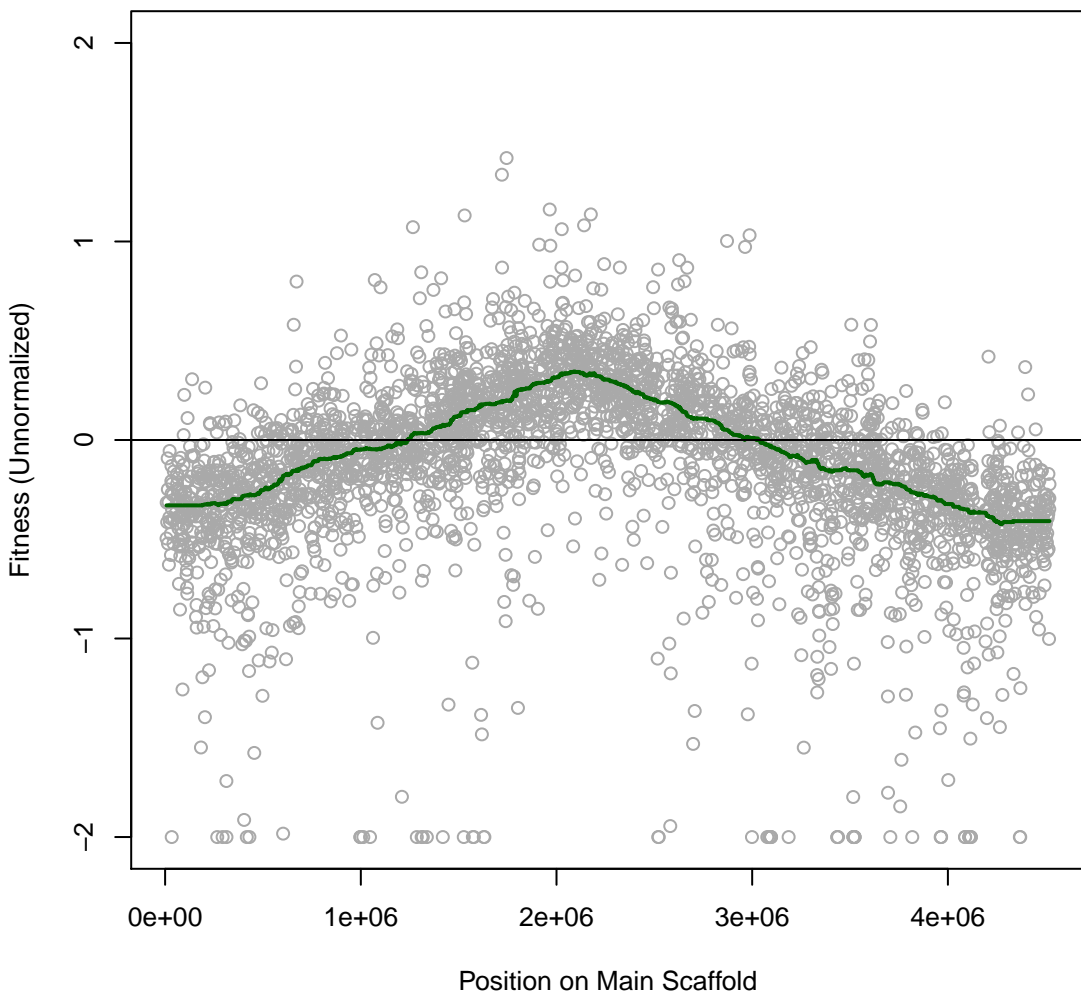


**Cup4G11 2IT063 #63 (gMed=212 rho12=0.111)**  
**D-Lactate (C)**

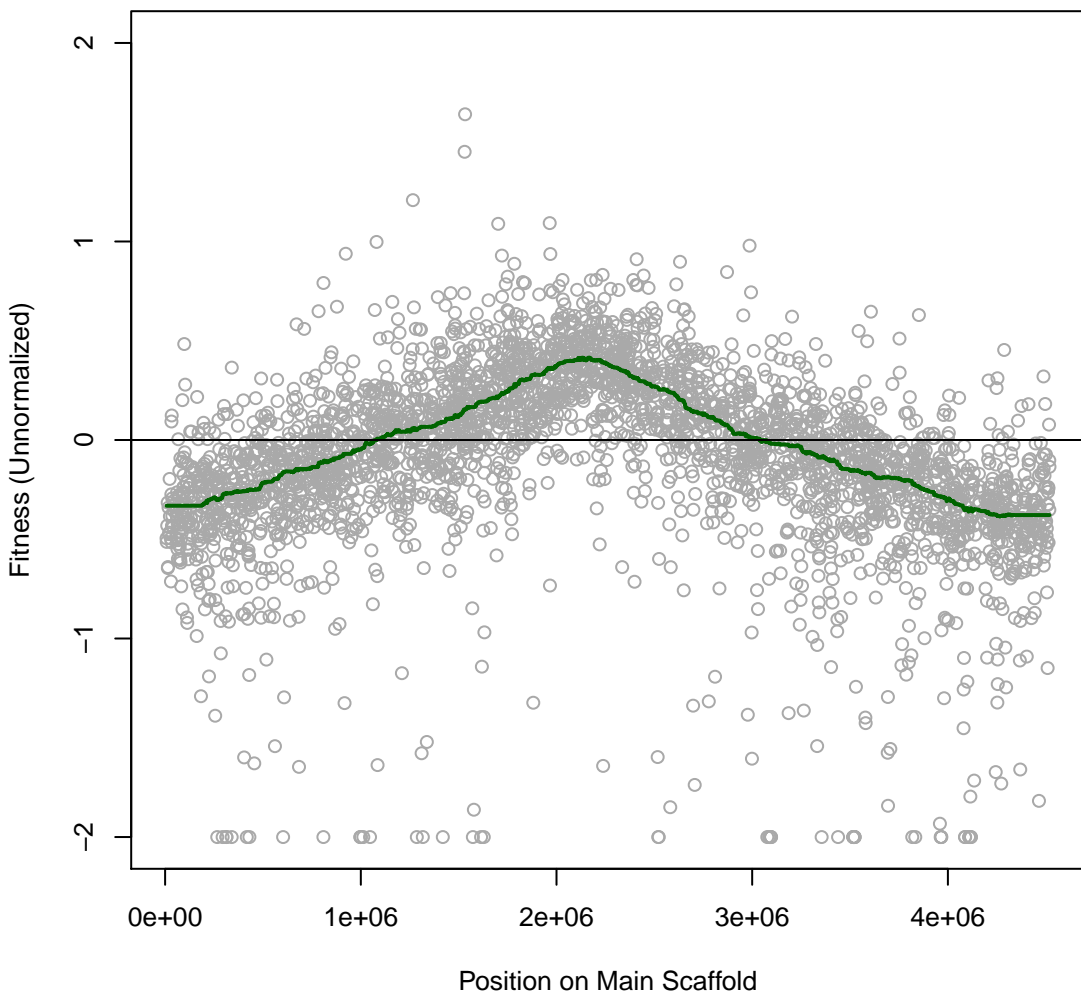


**Cup4G11 2IT064 #64 (gMed=182 rho12=0.111)**

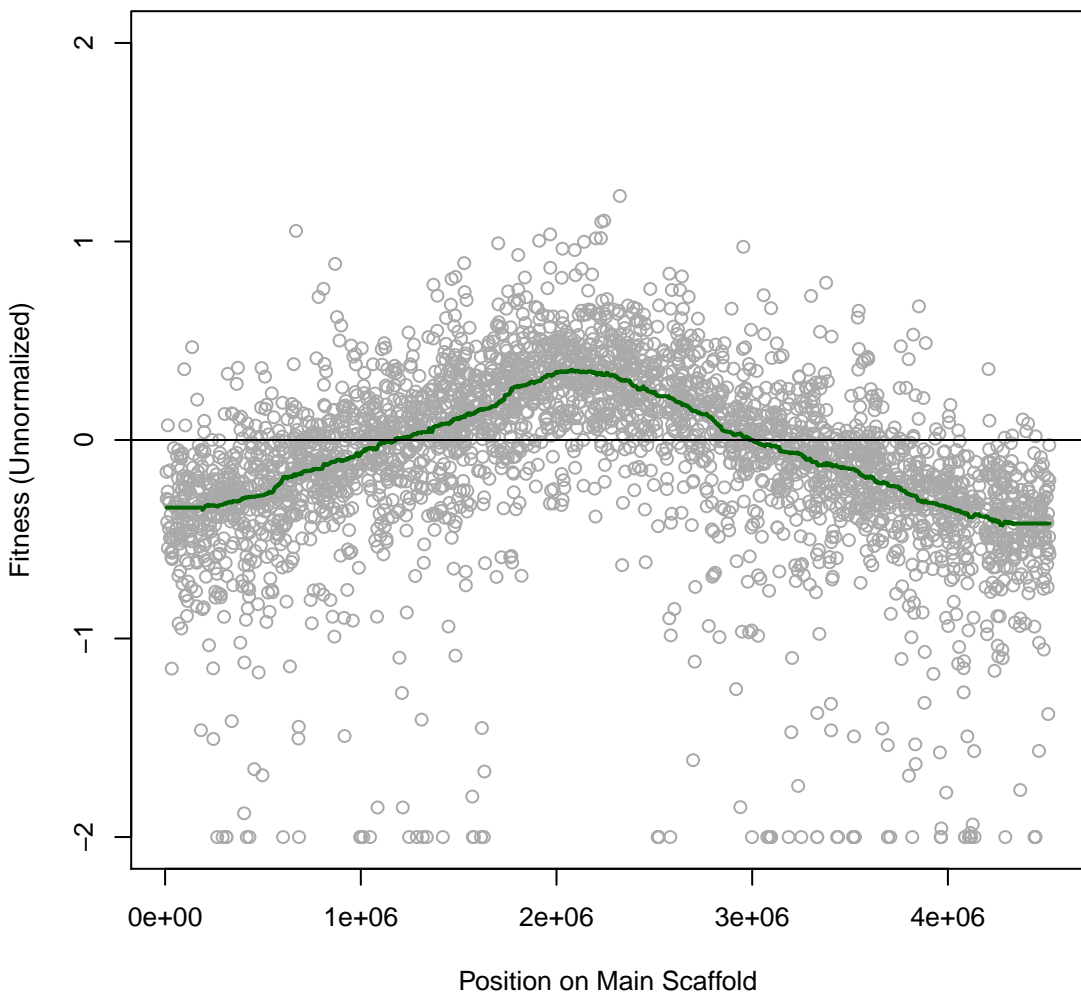
**L-Lactate (C)**



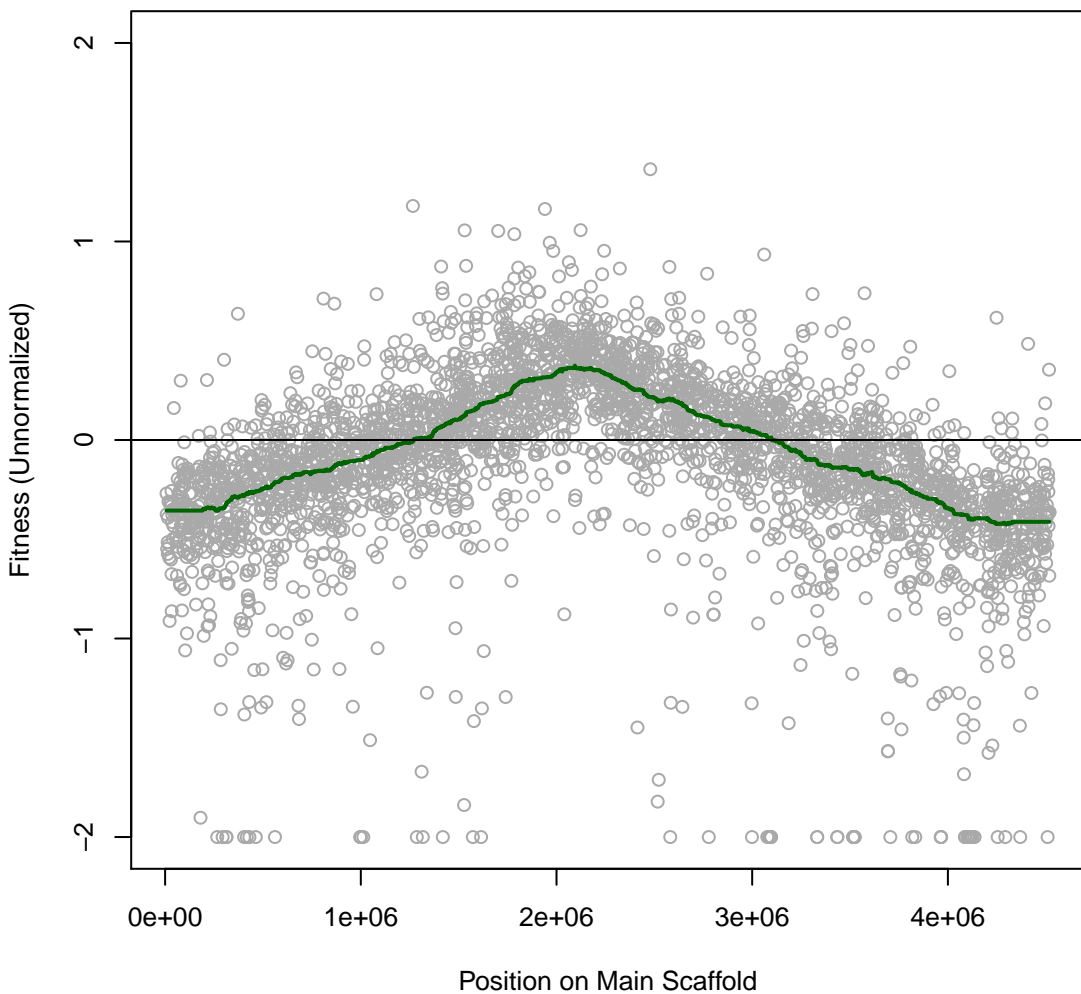
**Cup4G11 2IT065 #65 (gMed=173 rho12=0.106)**  
**D,L-Lactate (C)**



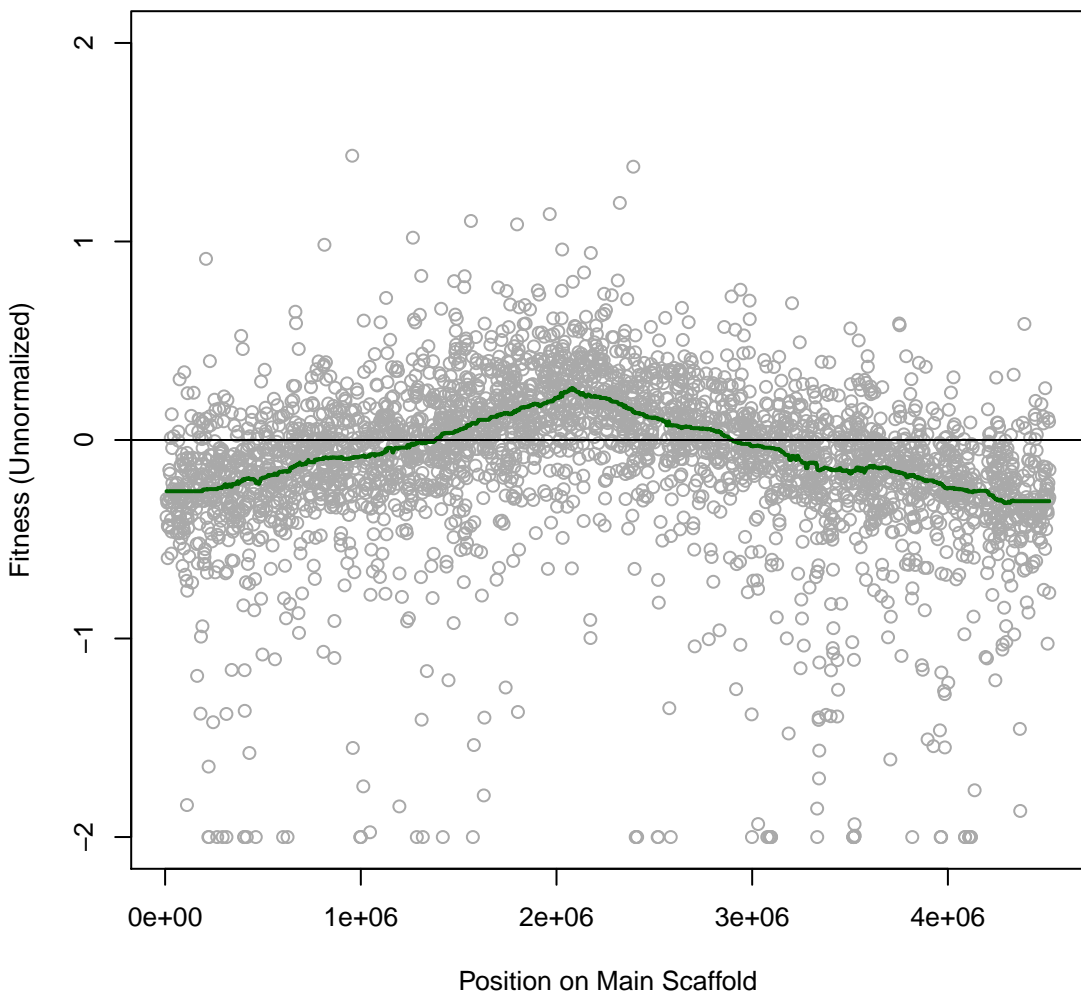
**Cup4G11 2IT066 #66 (gMed=151 rho12=0.111)**  
**pyruvate (C)**



**Cup4G11 2IT067 #67 (gMed=185 rho12=0.104)**  
**succinate (C)**

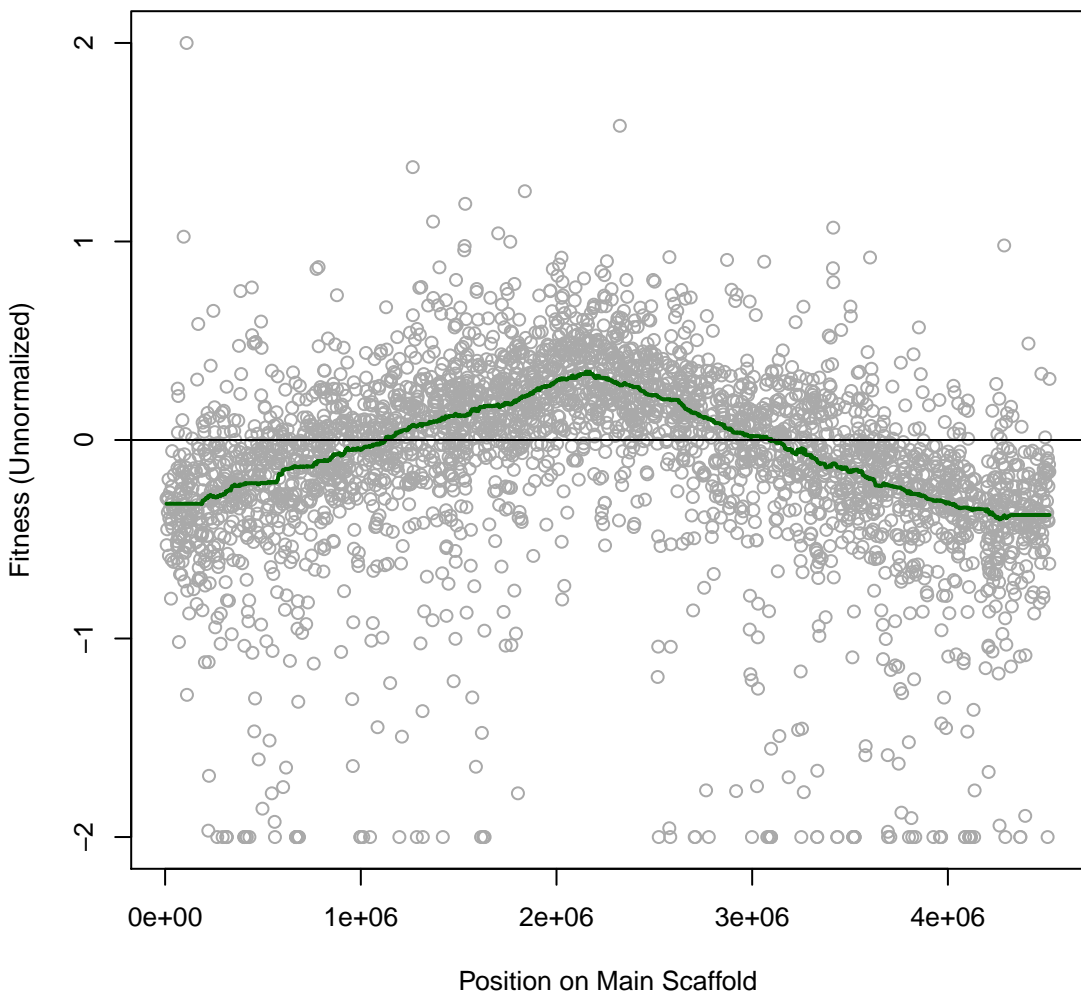


**Cup4G11 2IT068 #68 (gMed=186 rho12=0.103)**  
**propionate (C)**

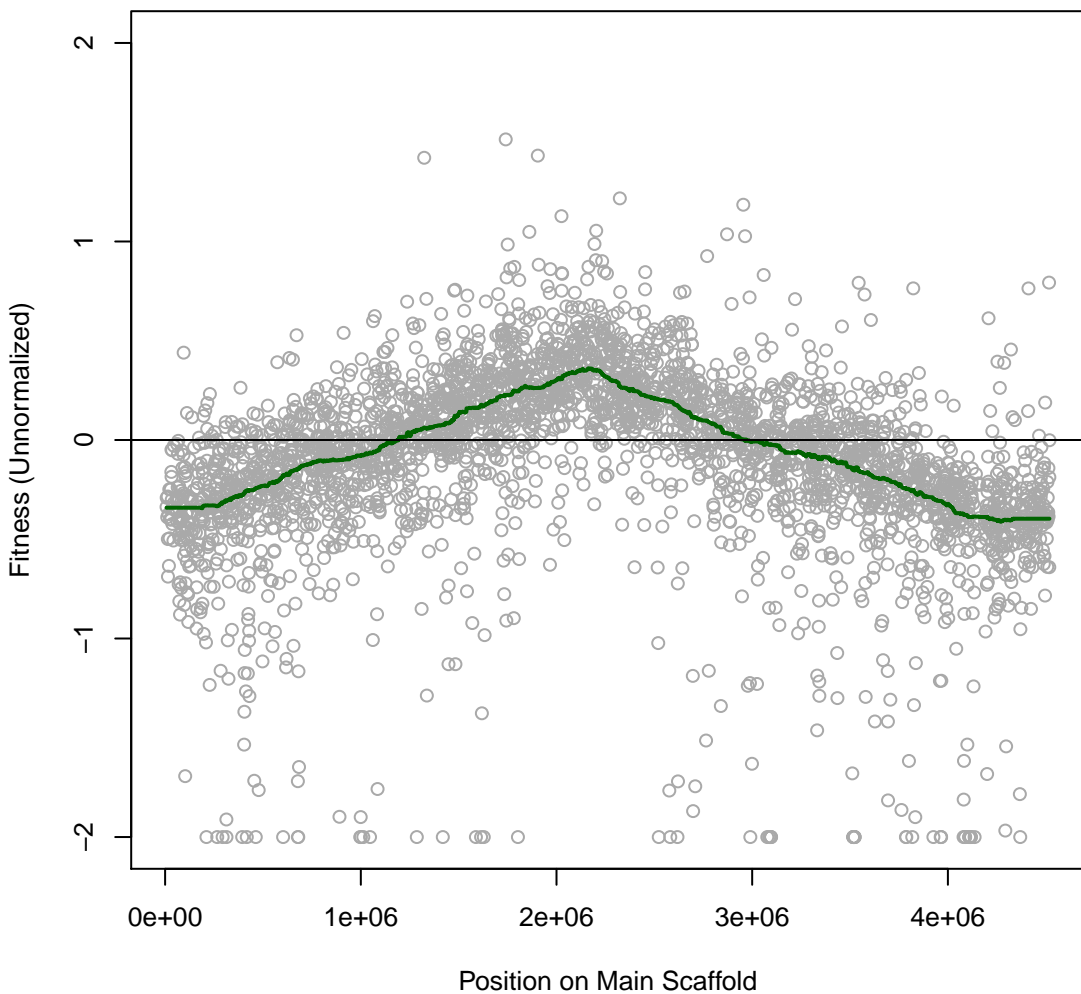




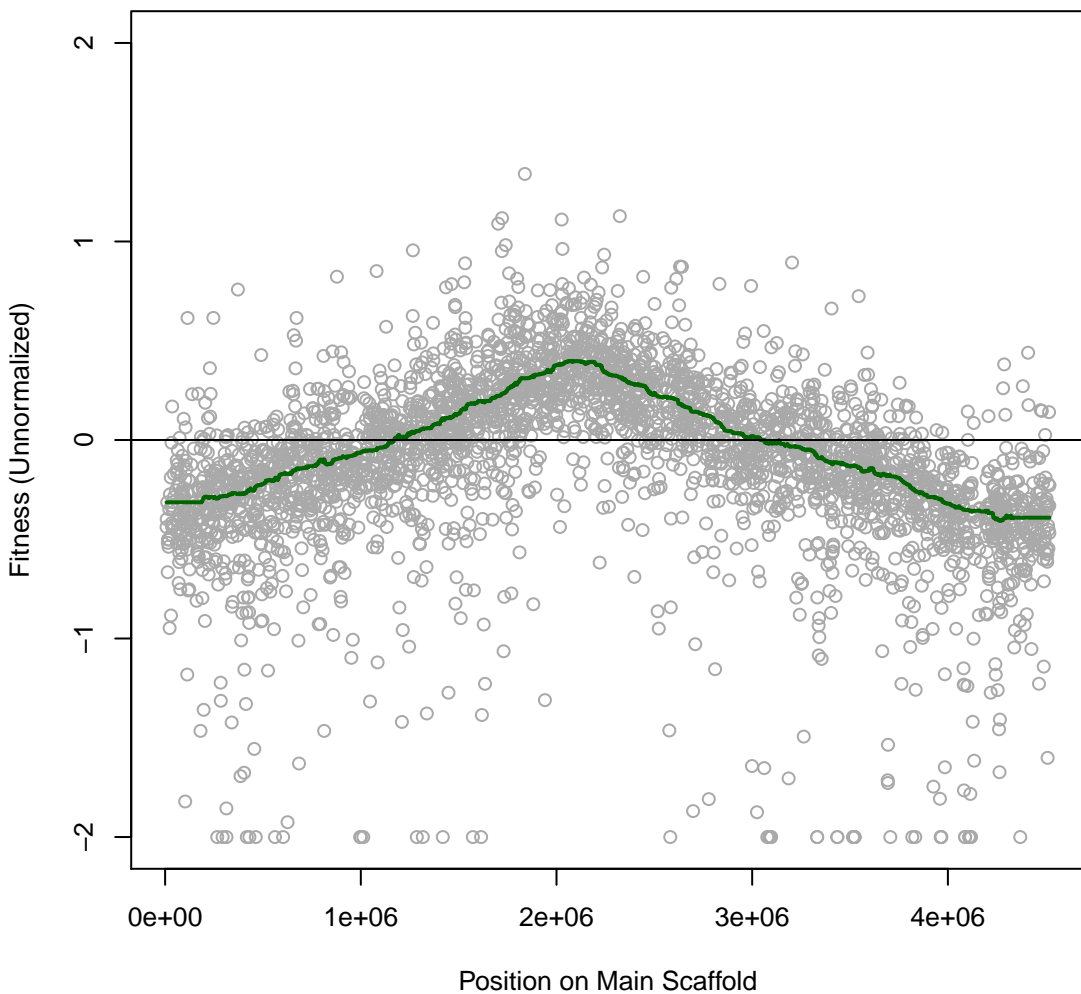
**Cup4G11 2IT069 #69 (gMed=197 rho12=0.152)**  
**4-Hydroxybenzoic Acid (C)**



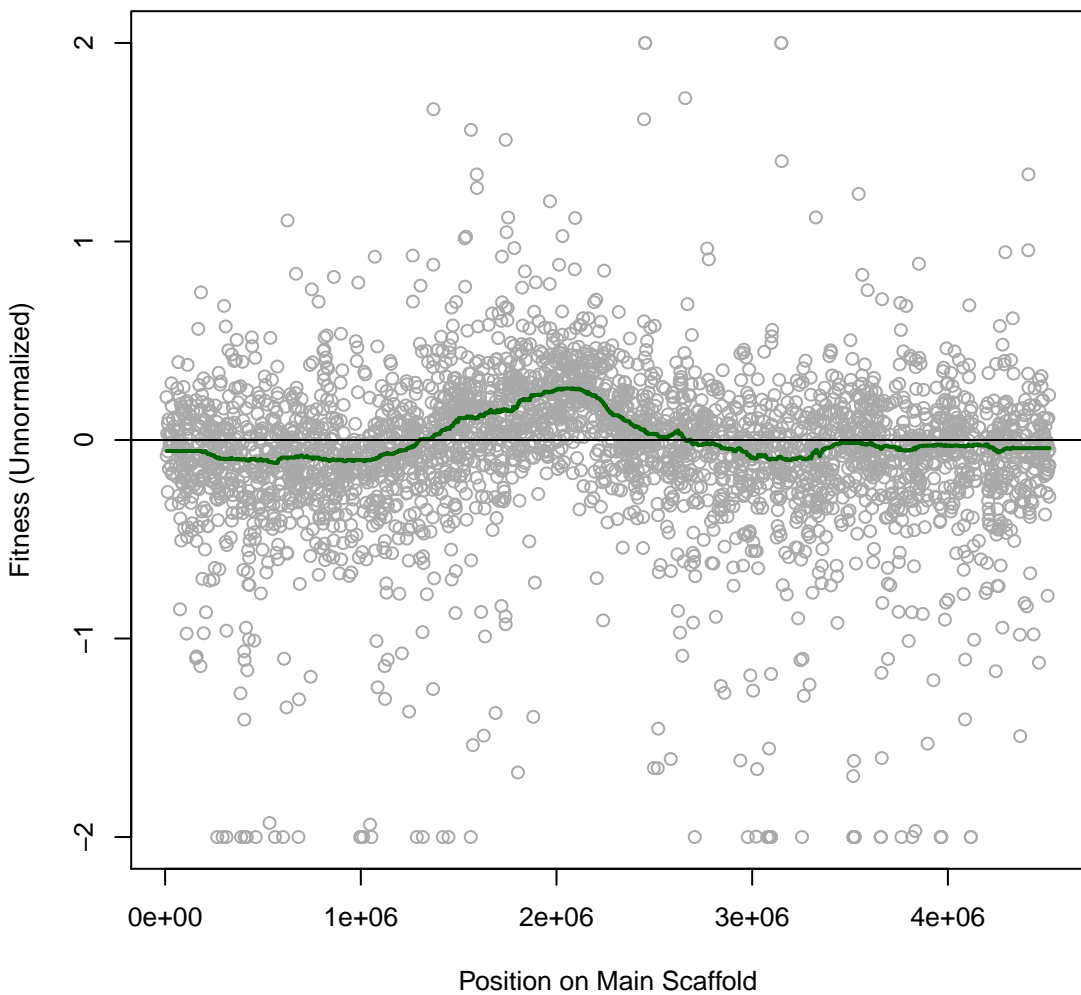
**Cup4G11 2IT070 #70 (gMed=194 rho12=0.120)**  
**Ethanol (C)**



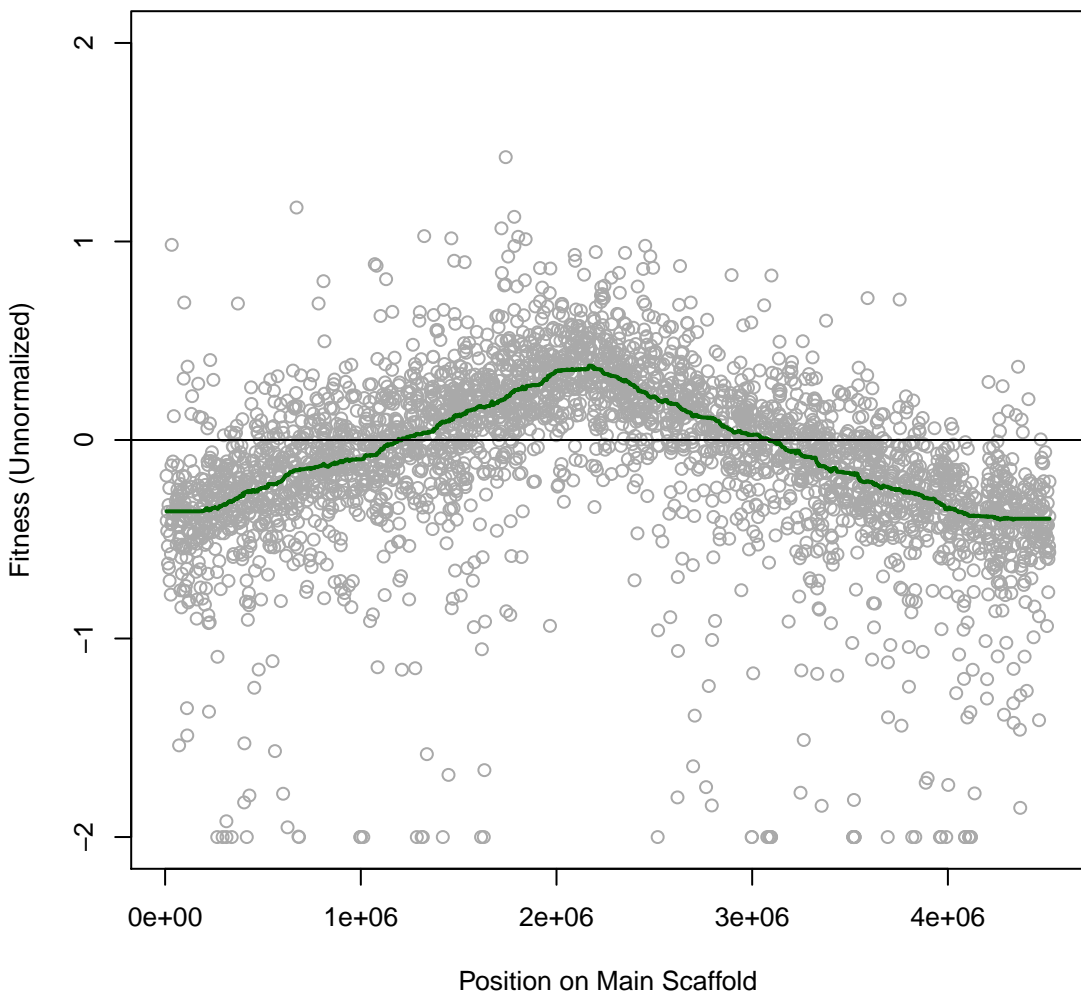
**Cup4G11 2IT071 #71 (gMed=196 rho12=0.116)**  
**L-Malic (C)**



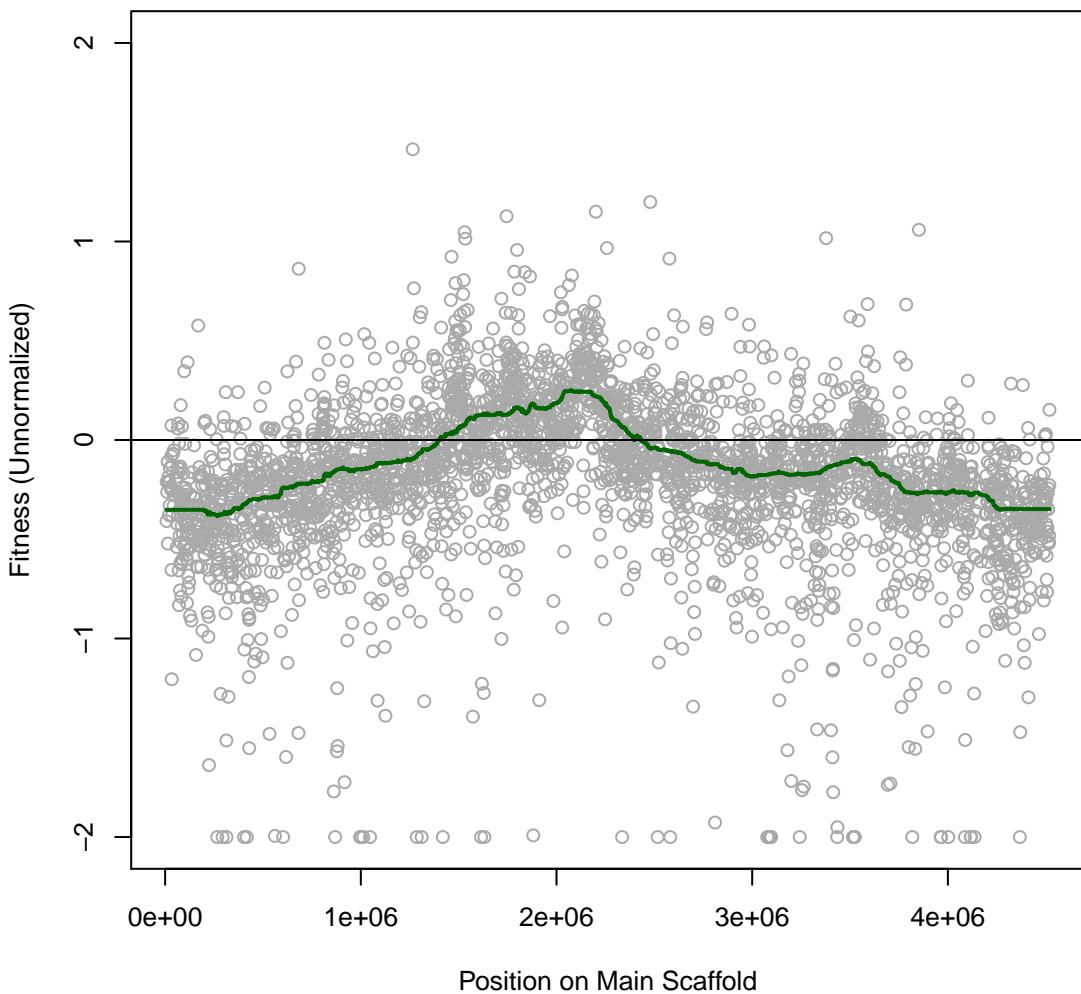
**Cup4G11 2IT072 #72 (gMed=181 rho12=0.130)**  
**L-Histidine (C)**



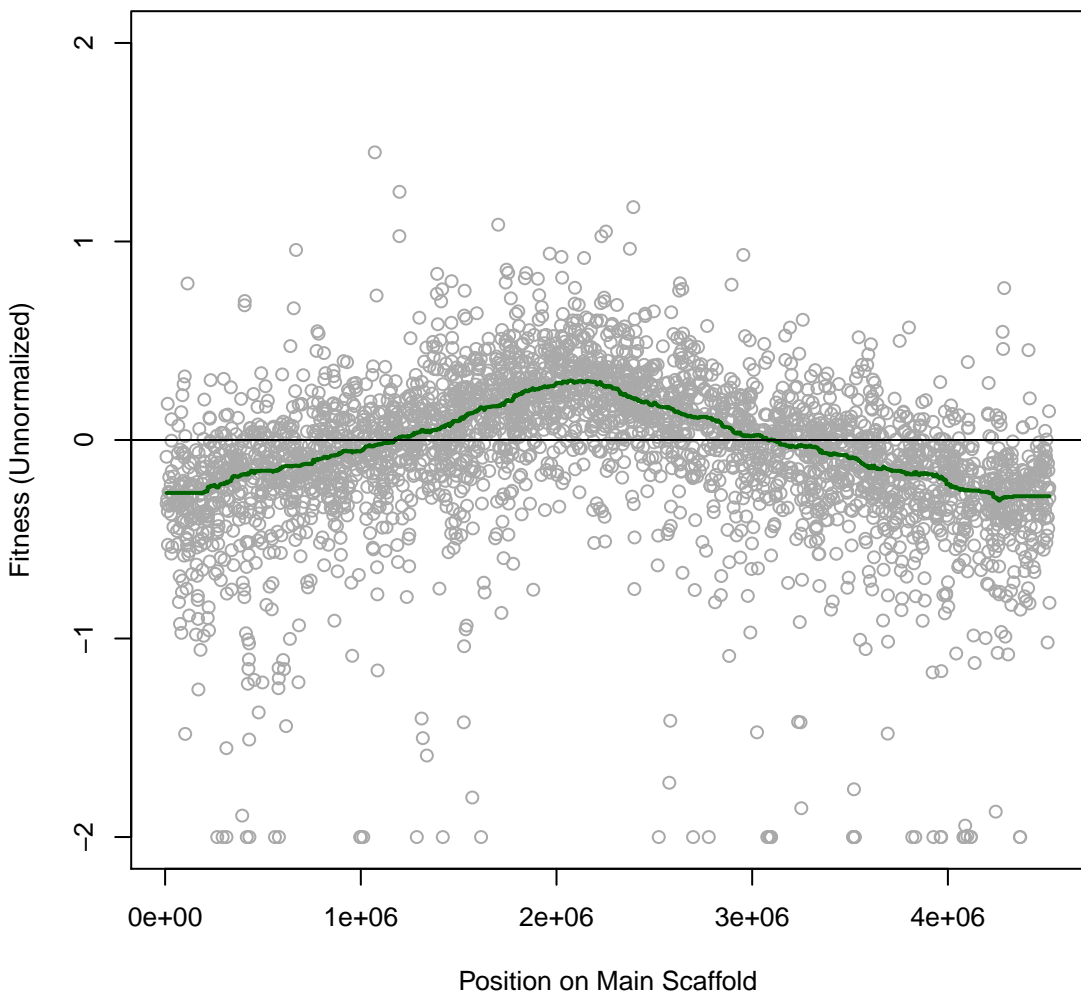
**Cup4G11 2IT073 #73 (gMed=187 rho12=0.068)**  
**L-Threonine (C)**



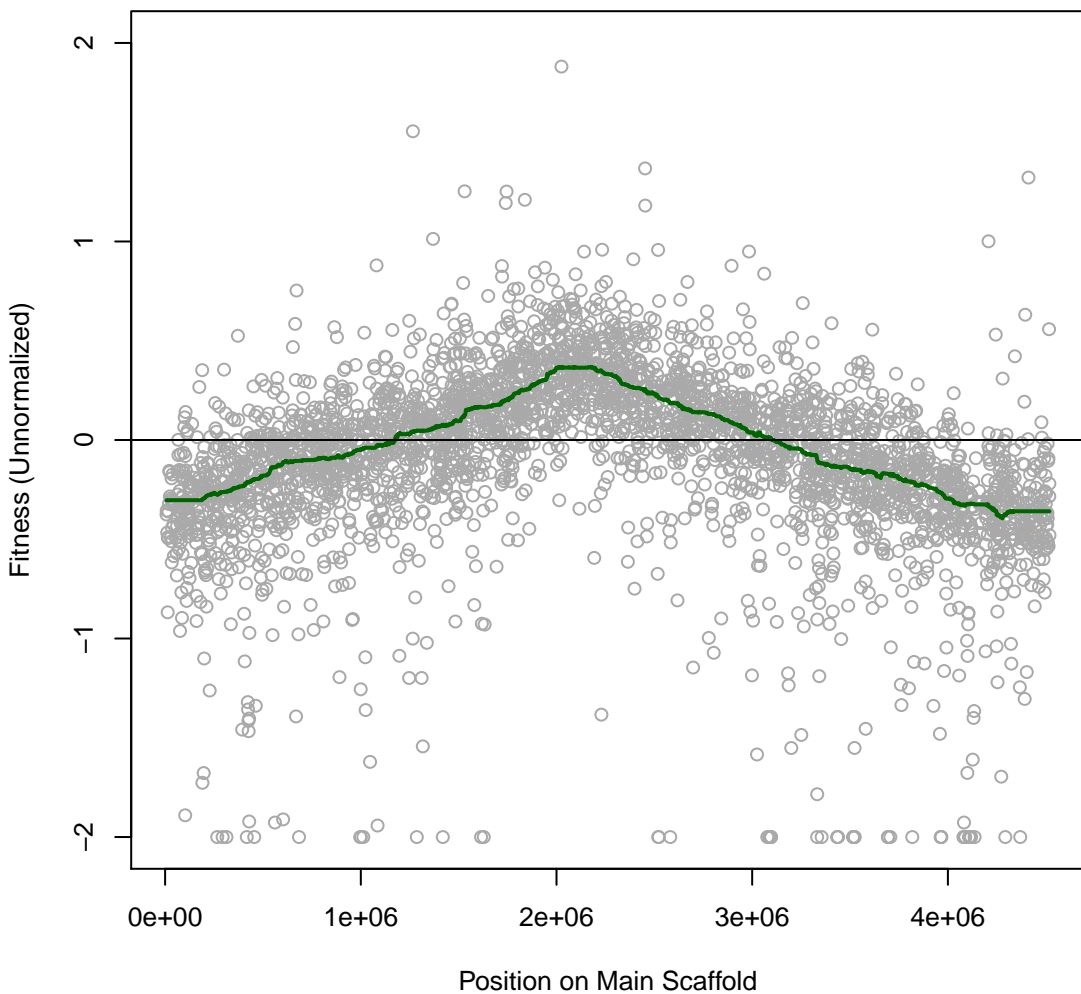
**Cup4G11 2IT074 #74 (gMed=145 rho12=0.121)**  
**L-Asparagine (C)**



**Cup4G11 2IT075 #75 (gMed=186 rho12=0.114)**  
**L-Glutamine (C)**

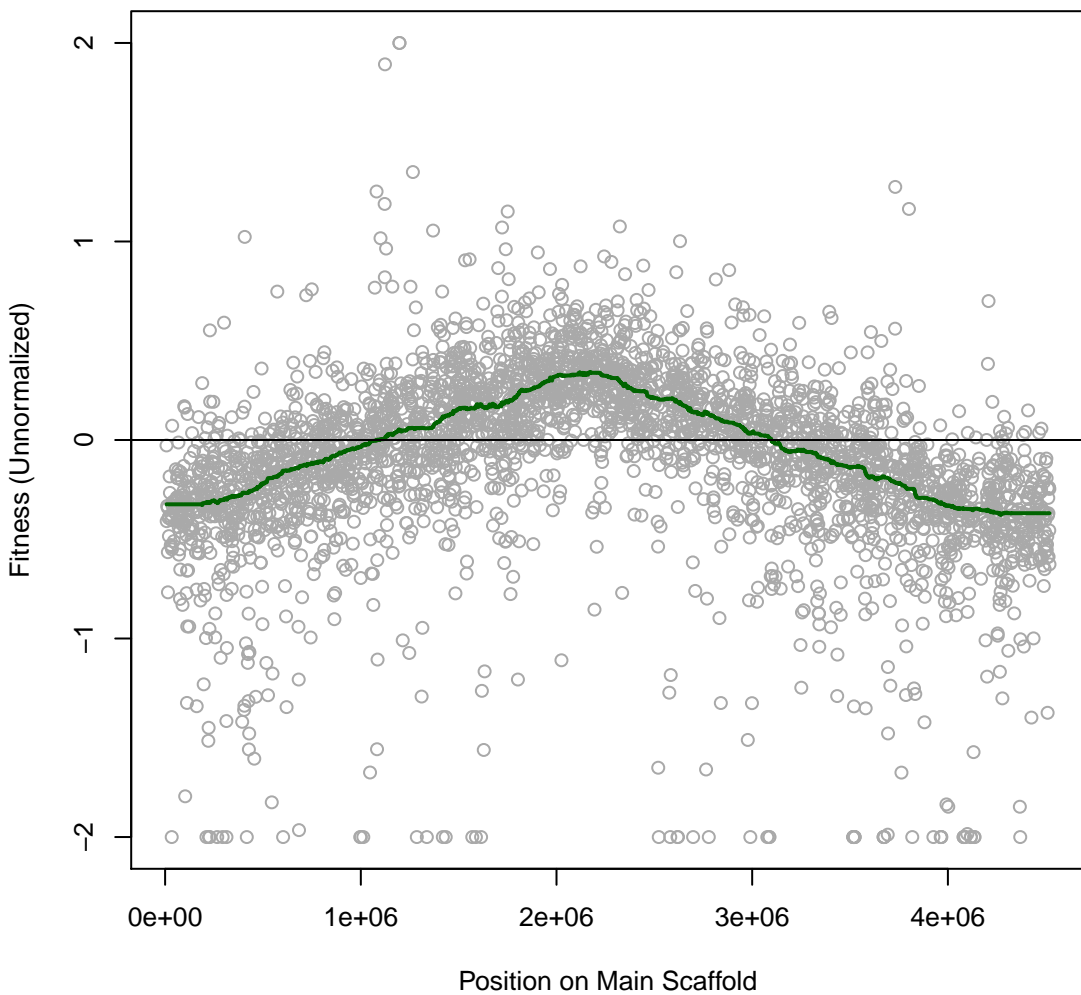


**Cup4G11 2IT077 #77 (gMed=190 rho12=0.118)**  
**L-Alanine (C)**

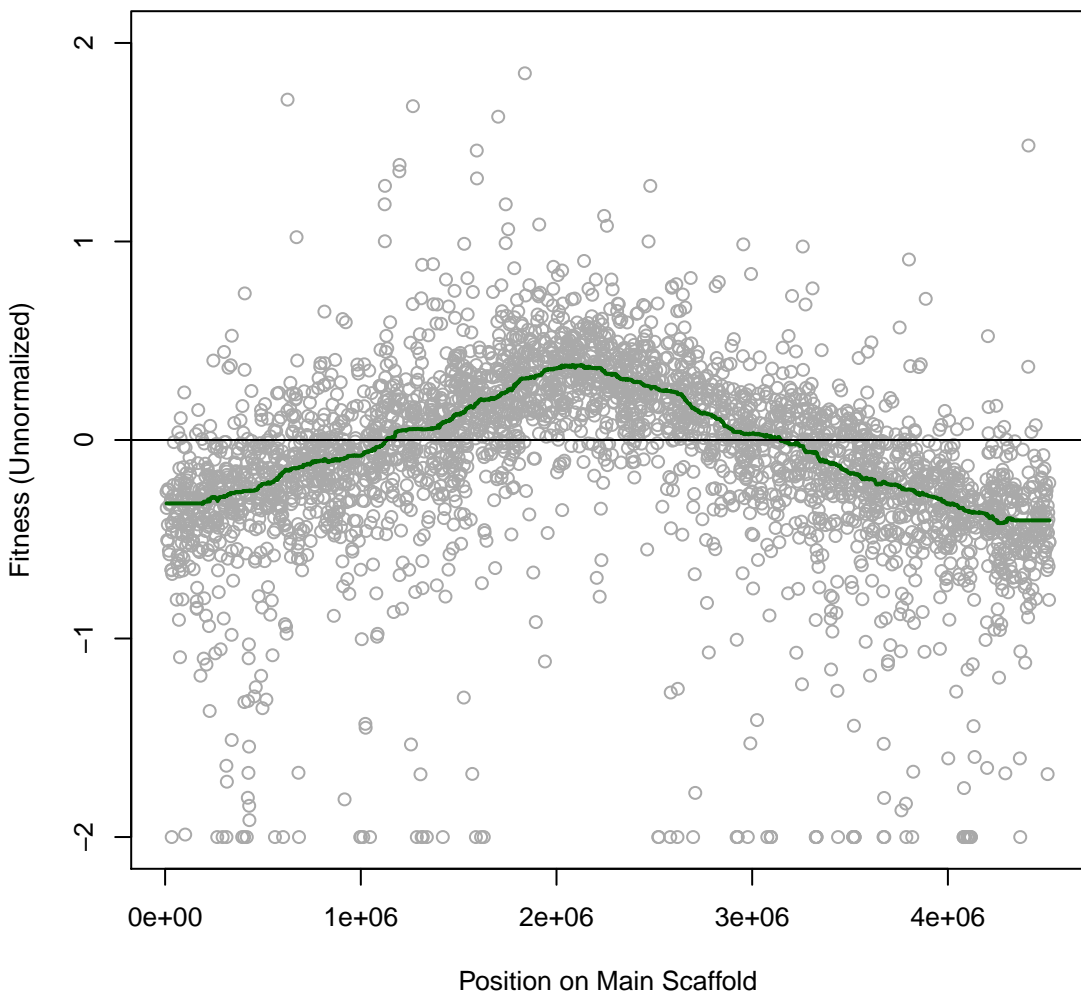




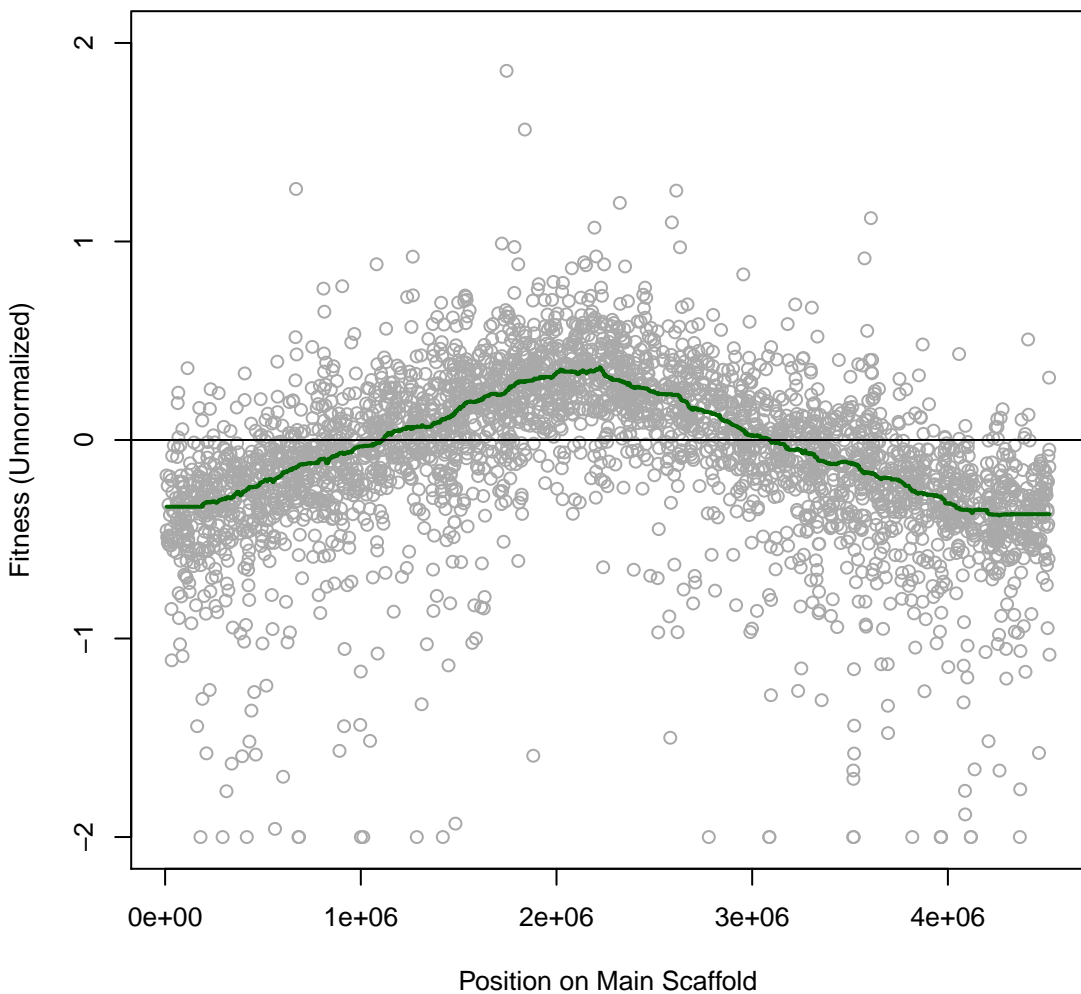
**Cup4G11 2IT078 #78 (gMed=203 rho12=0.122)**  
**L-Leucine (C)**



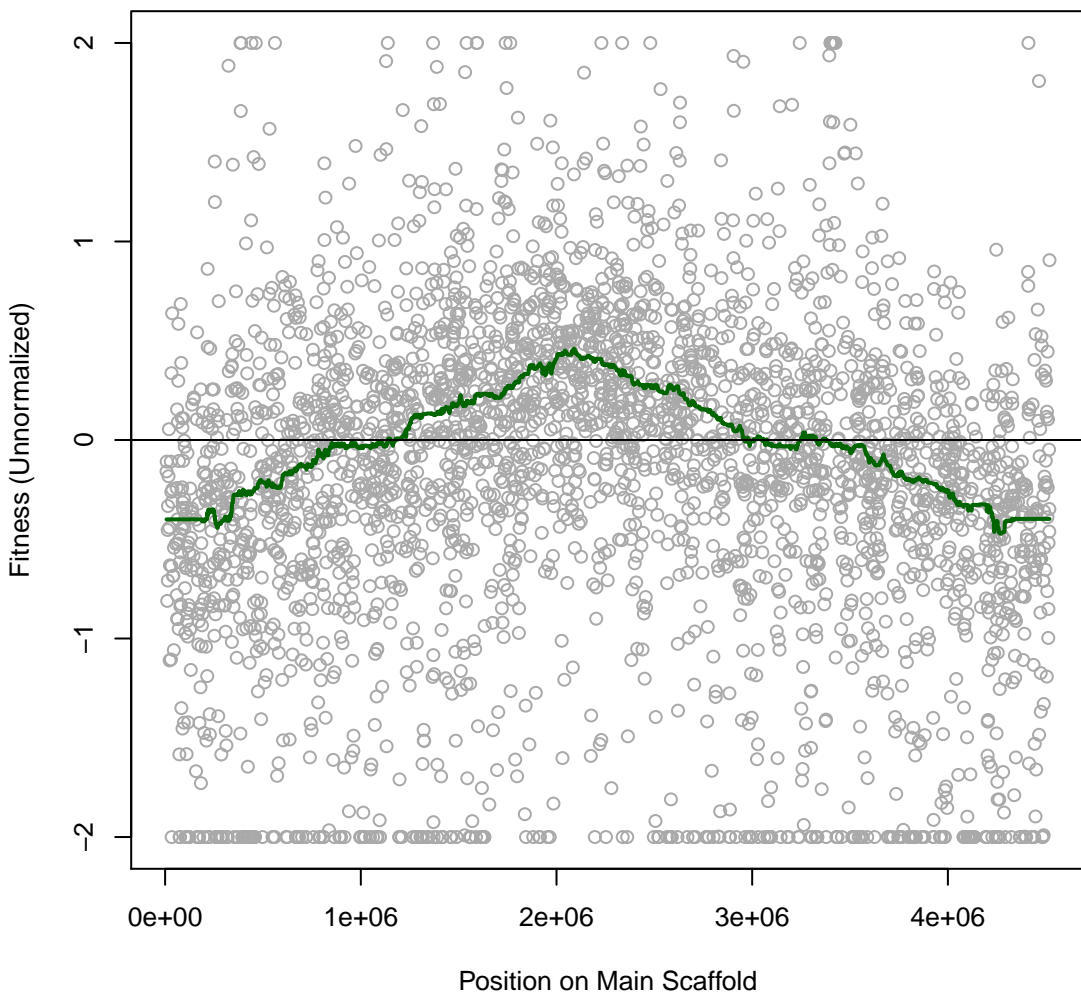
**Cup4G11 2IT080 #80 (gMed=210 rho12=0.116)**  
**L-Tryptophan (C)**



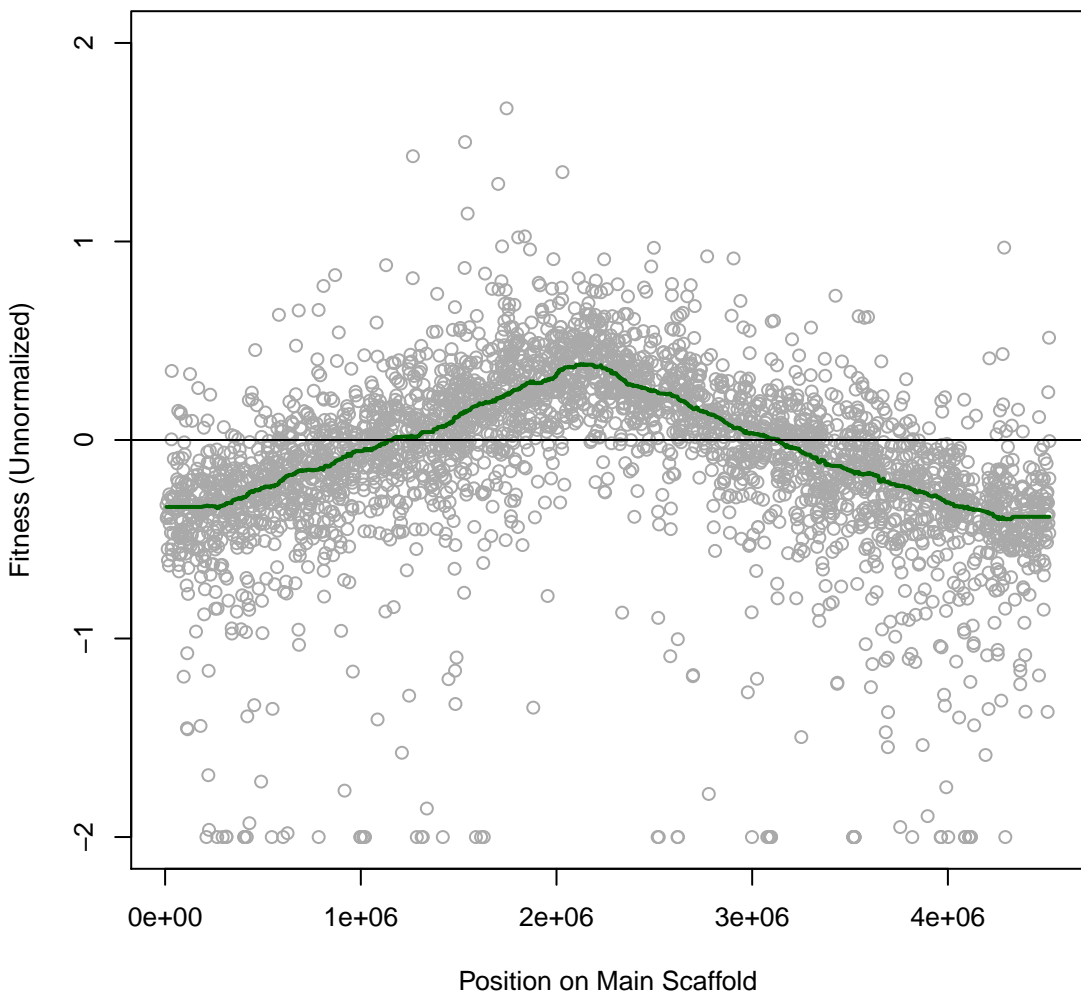
**Cup4G11 2IT081 #81 (gMed=177 rho12=0.076)**  
**casaminos (C)**



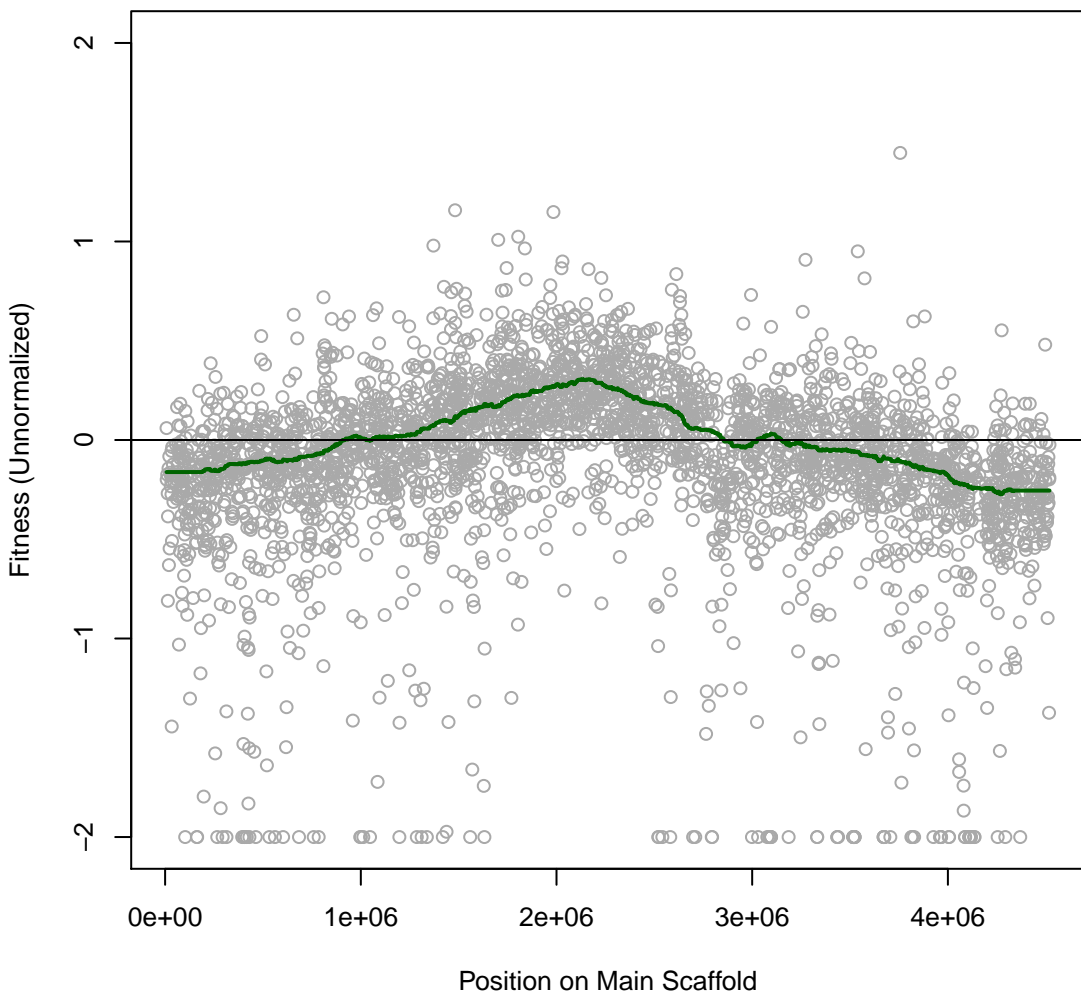
**Cup4G11 2IT082 #82 (gMed=183 rho12=0.195)**  
**octanoate (C)**



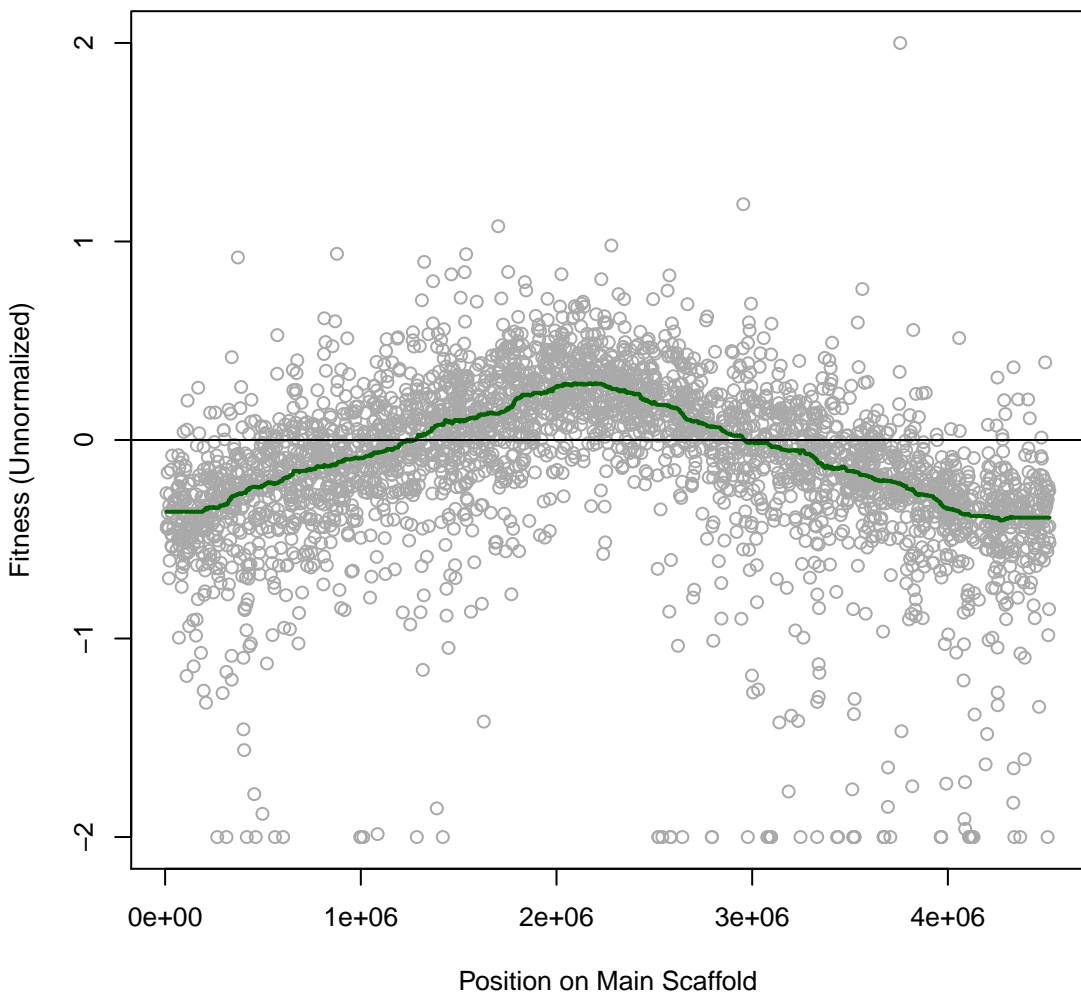
**Cup4G11 2IT083 #83 (gMed=204 rho12=0.090)**  
**butyrate (C)**



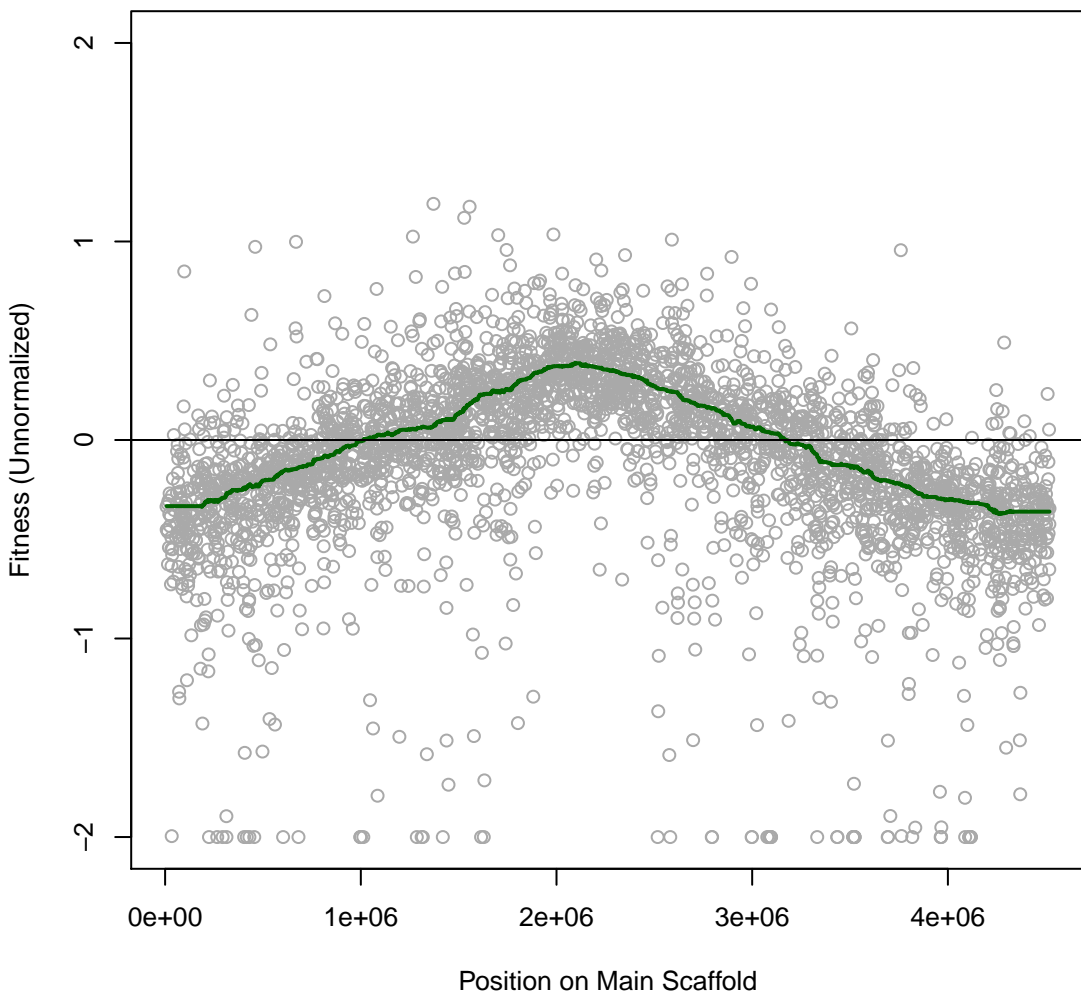
**Cup4G11 2IT084 #84 (gMed=195 rho12=0.154)**  
**L-Lysine (N)**



**Cup4G11 2IT085 #85 (gMed=204 rho12=0.112)**  
**L-Serine (N)**

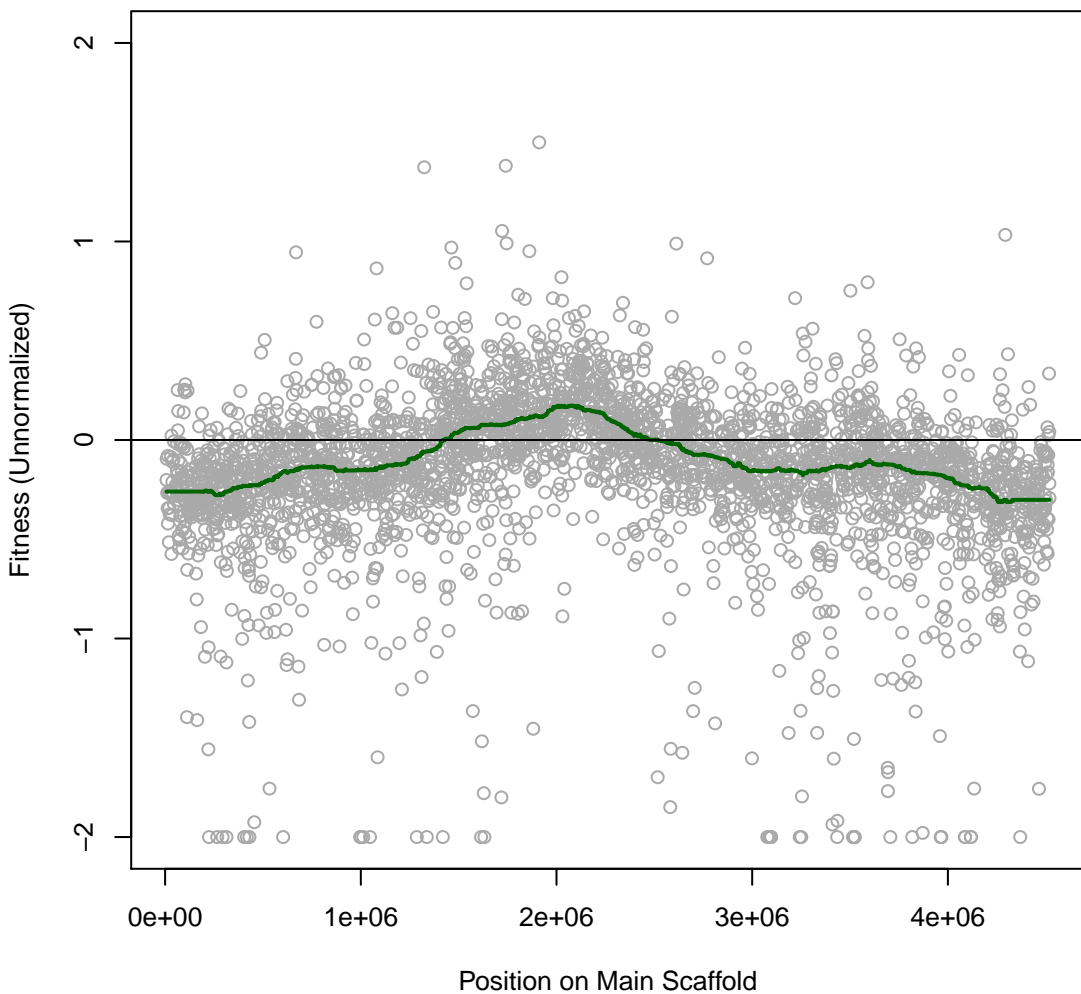


**Cup4G11 2IT086 #86 (gMed=194 rho12=0.105)**  
**L-Threonine (N)**

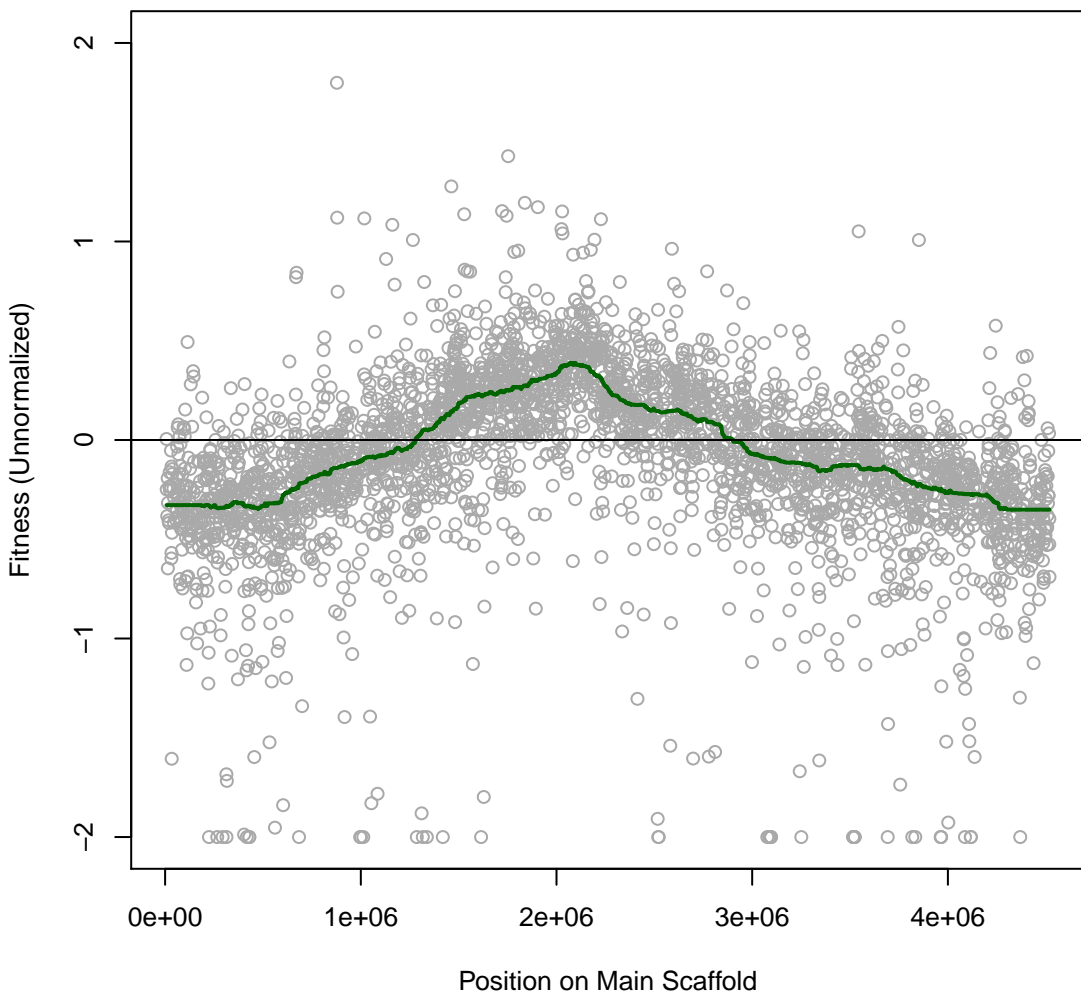




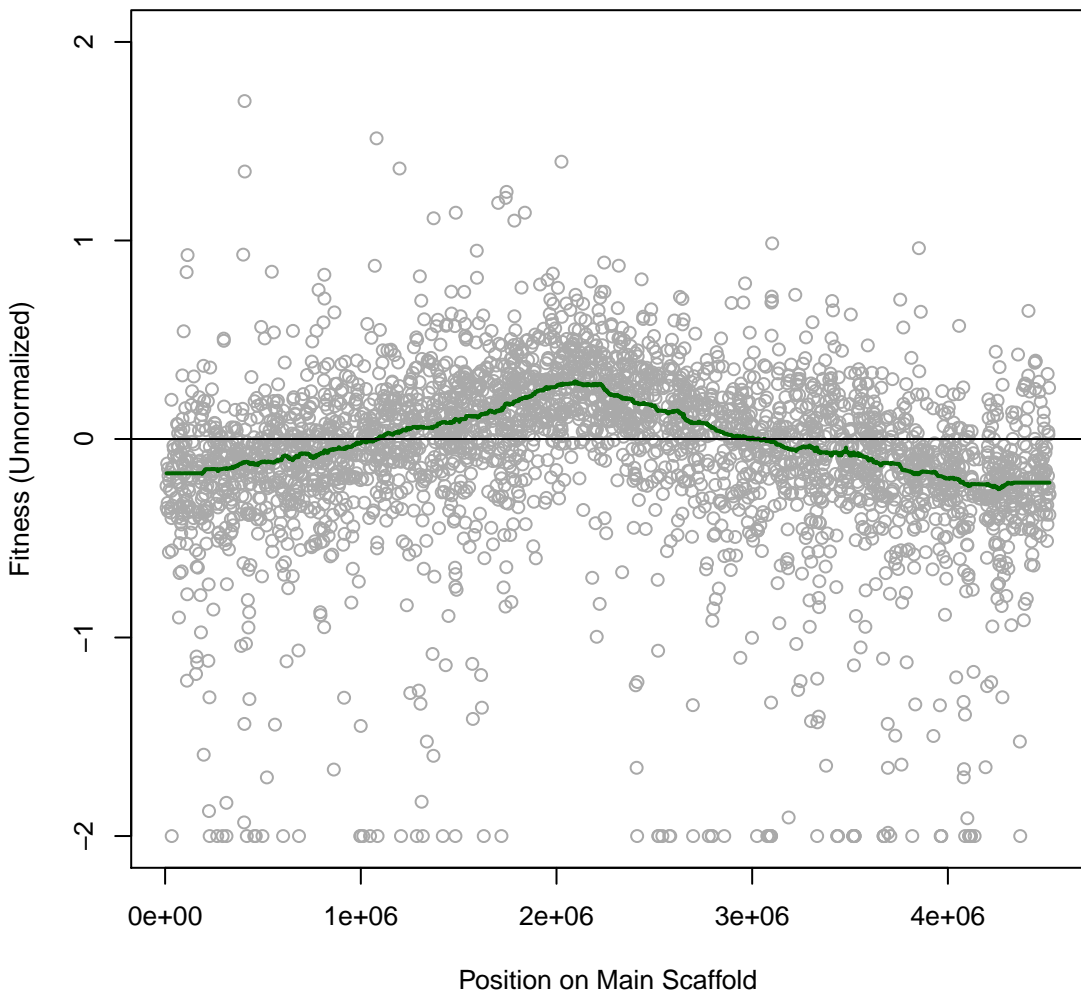
**Cup4G11 2IT087 #87 (gMed=216 rho12=0.120)**  
**L-Asparagine (N)**



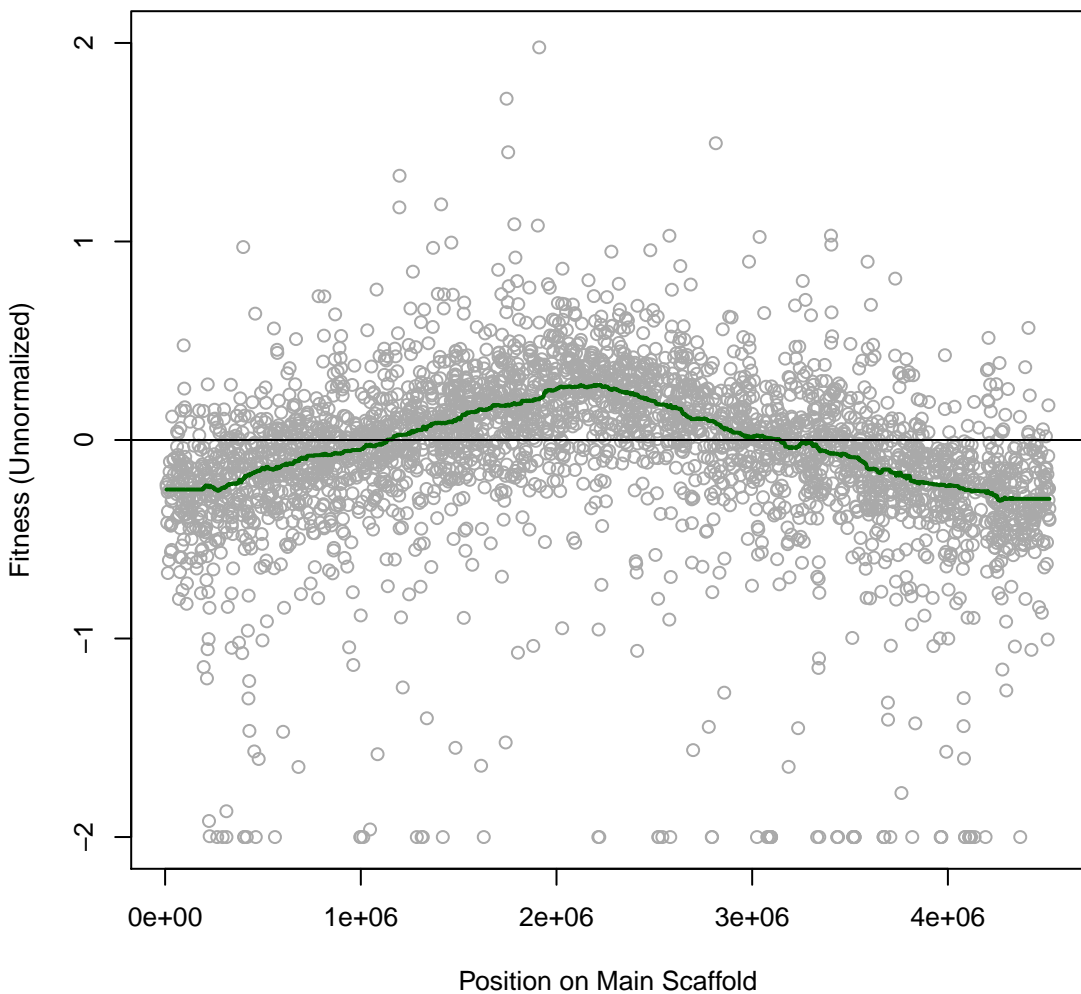
**Cup4G11 2IT088 #88 (gMed=163 rho12=0.099)**  
**L-Glutamine (N)**



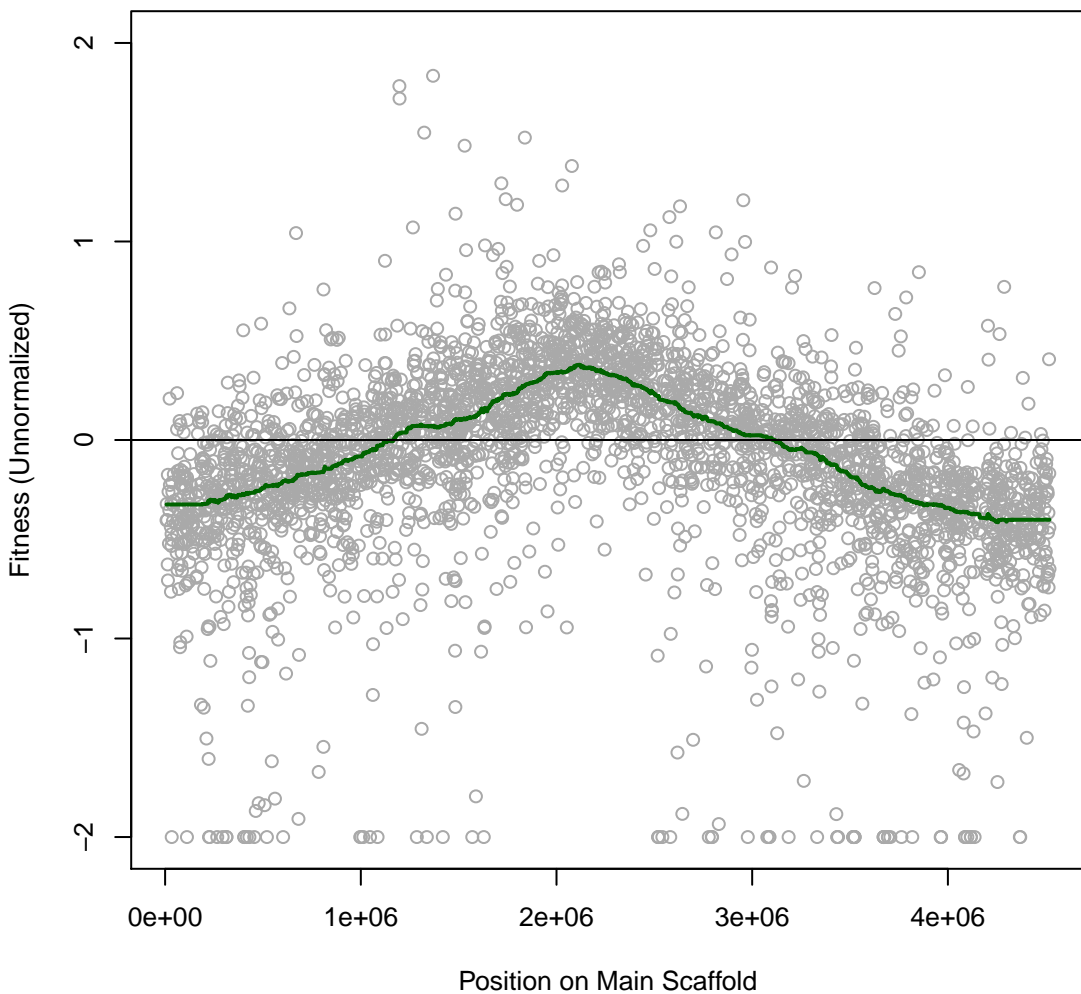
**Cup4G11 2IT089 #89 (gMed=158 rho12=0.164)**  
**L-Valine (N)**



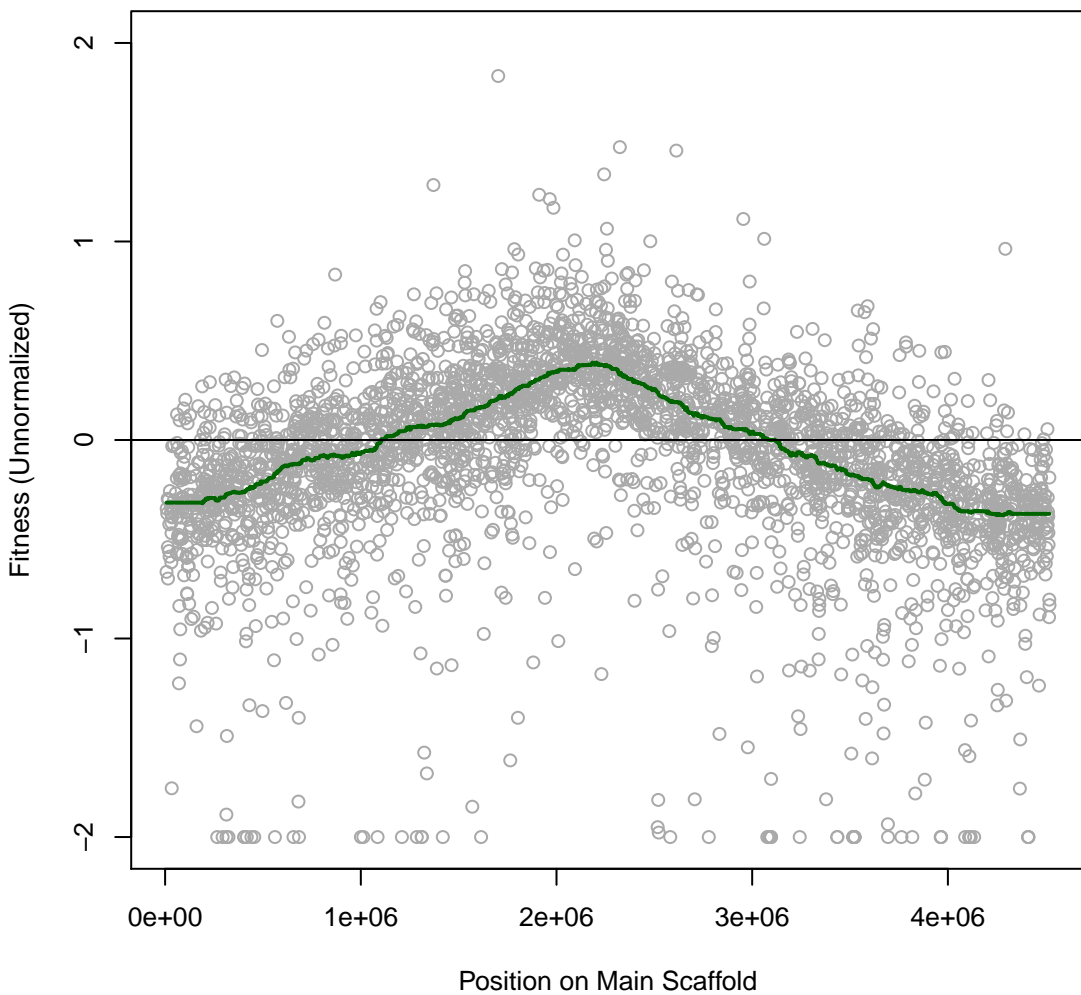
**Cup4G11 2IT090 #90 (gMed=182 rho12=0.111)**  
**L-Isoleucine (N)**



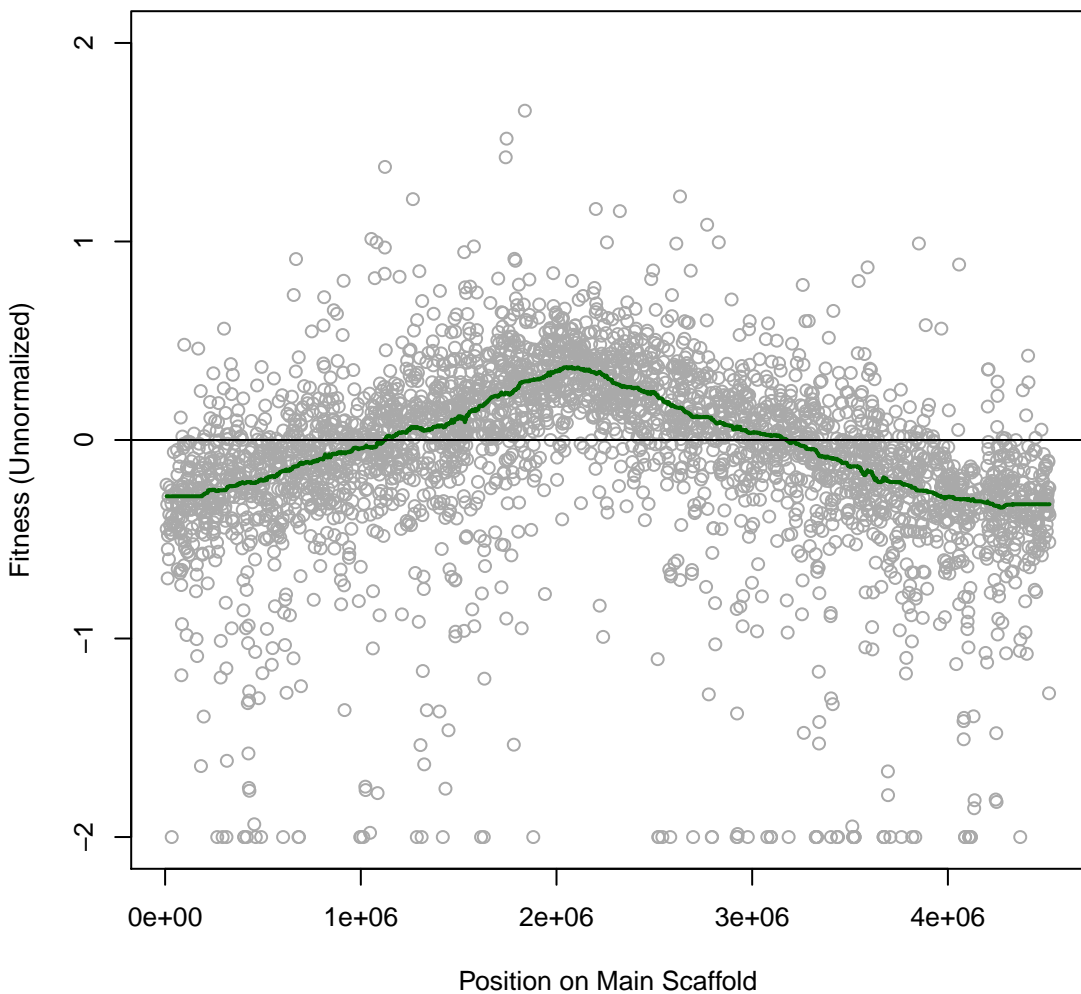
**Cup4G11 2IT091 #91 (gMed=117 rho12=0.117)**  
**L-Leucine (N)**



**Cup4G11 2IT092 #92 (gMed=98 rho12=0.068)**  
**L-Phenylalanine (N)**

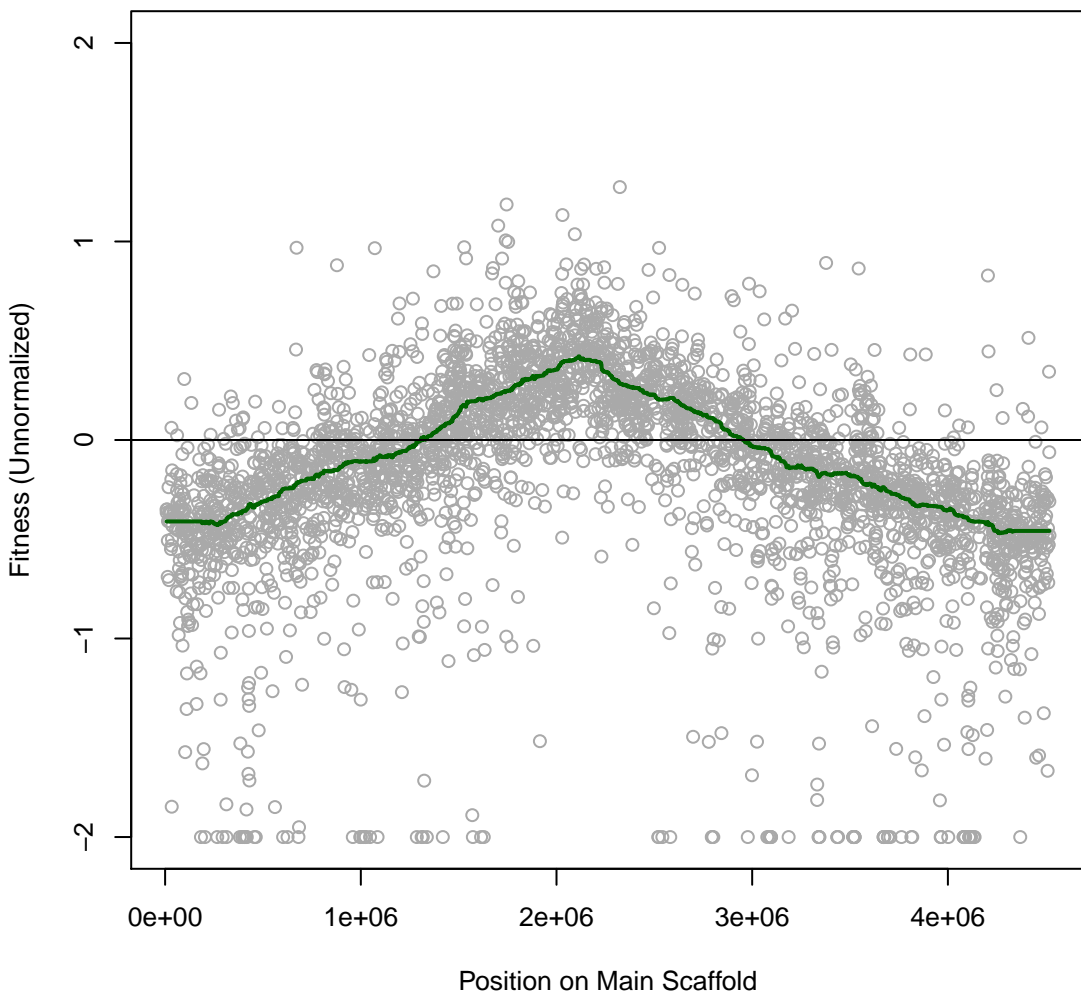


**Cup4G11 2IT093 #93 (gMed=192 rho12=0.126)**  
**L-Tryptophan (N)**



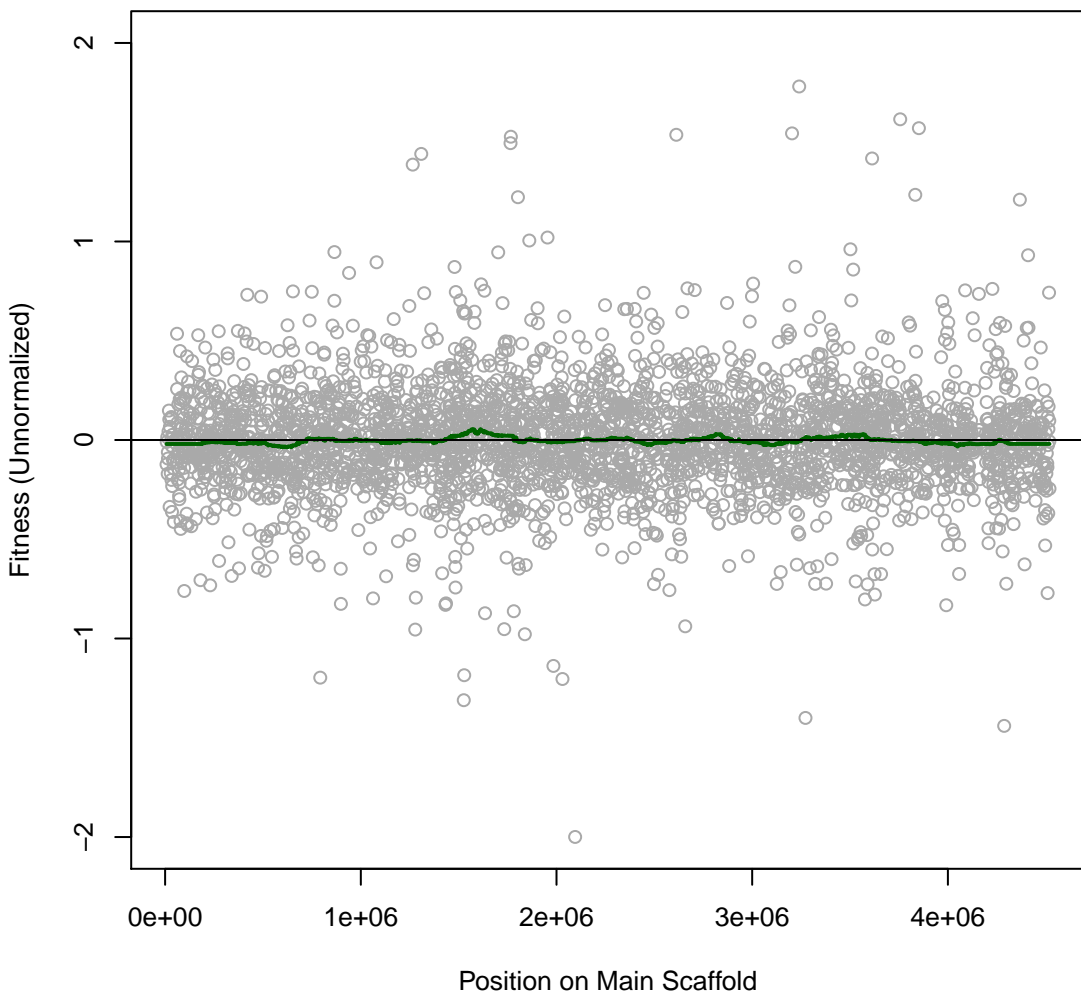
**Cup4G11 2IT094 #94 (gMed=202 rho12=0.159)**

**D-Alanine (N)**



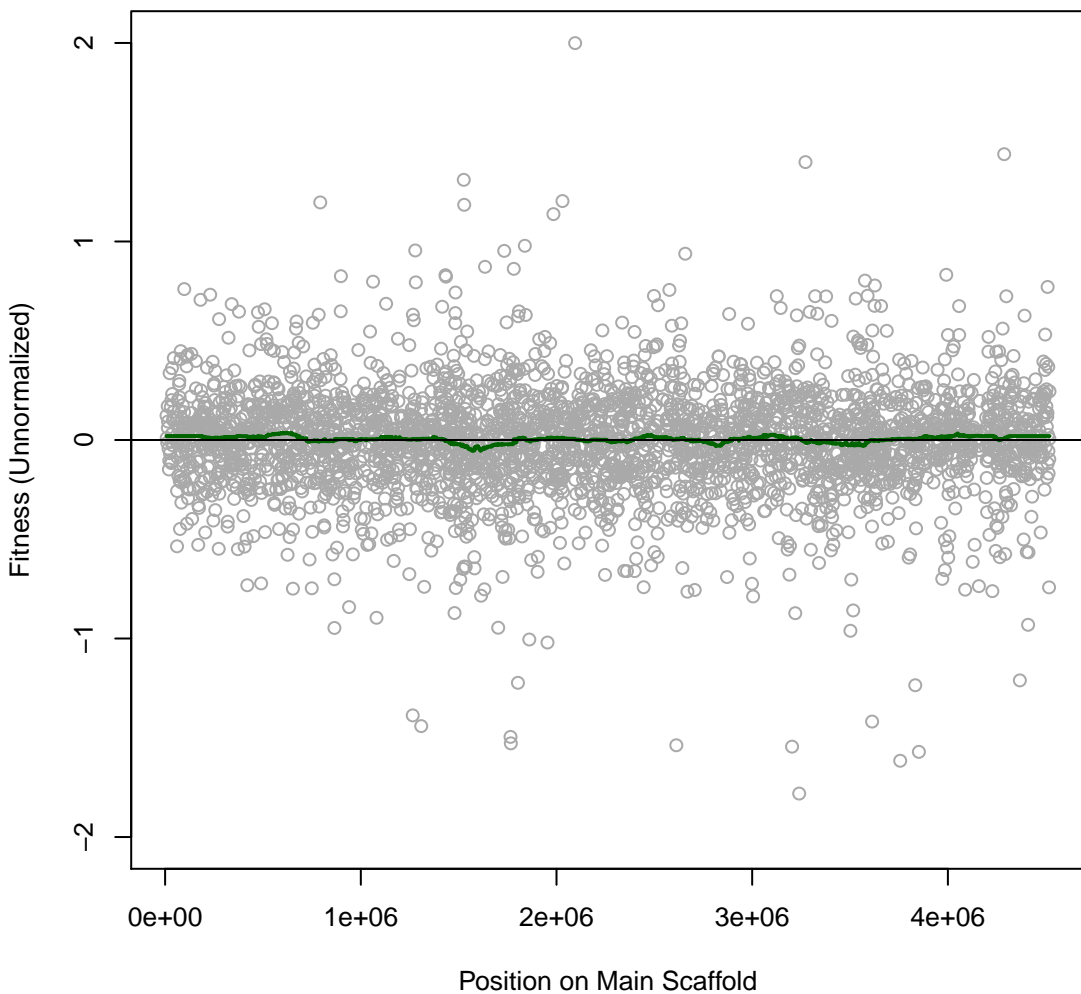


**Cup4G11 2IT095 #95 (gMed=196 rho12=0.006)**  
**Time0**

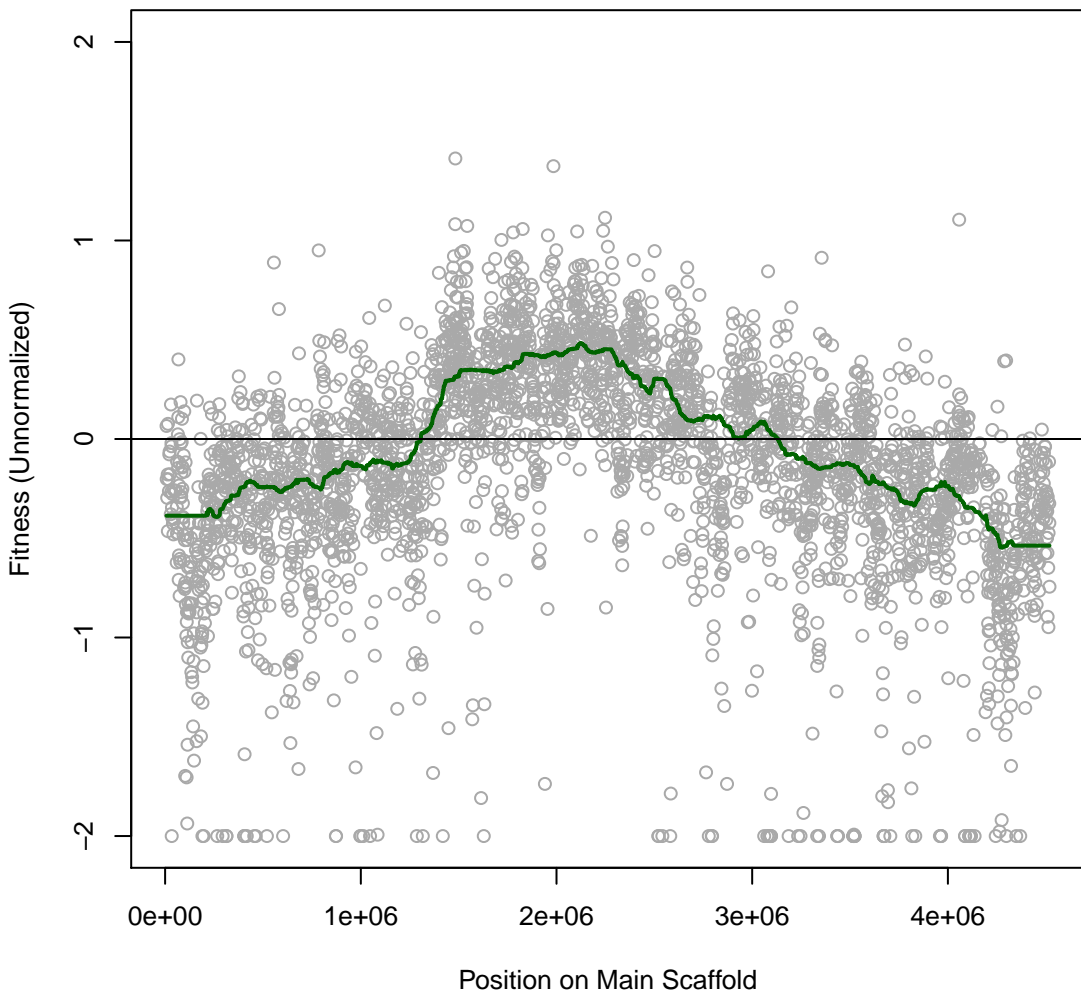


**Cup4G11 2IT096 #96 (gMed=178 rho12=0.006)**

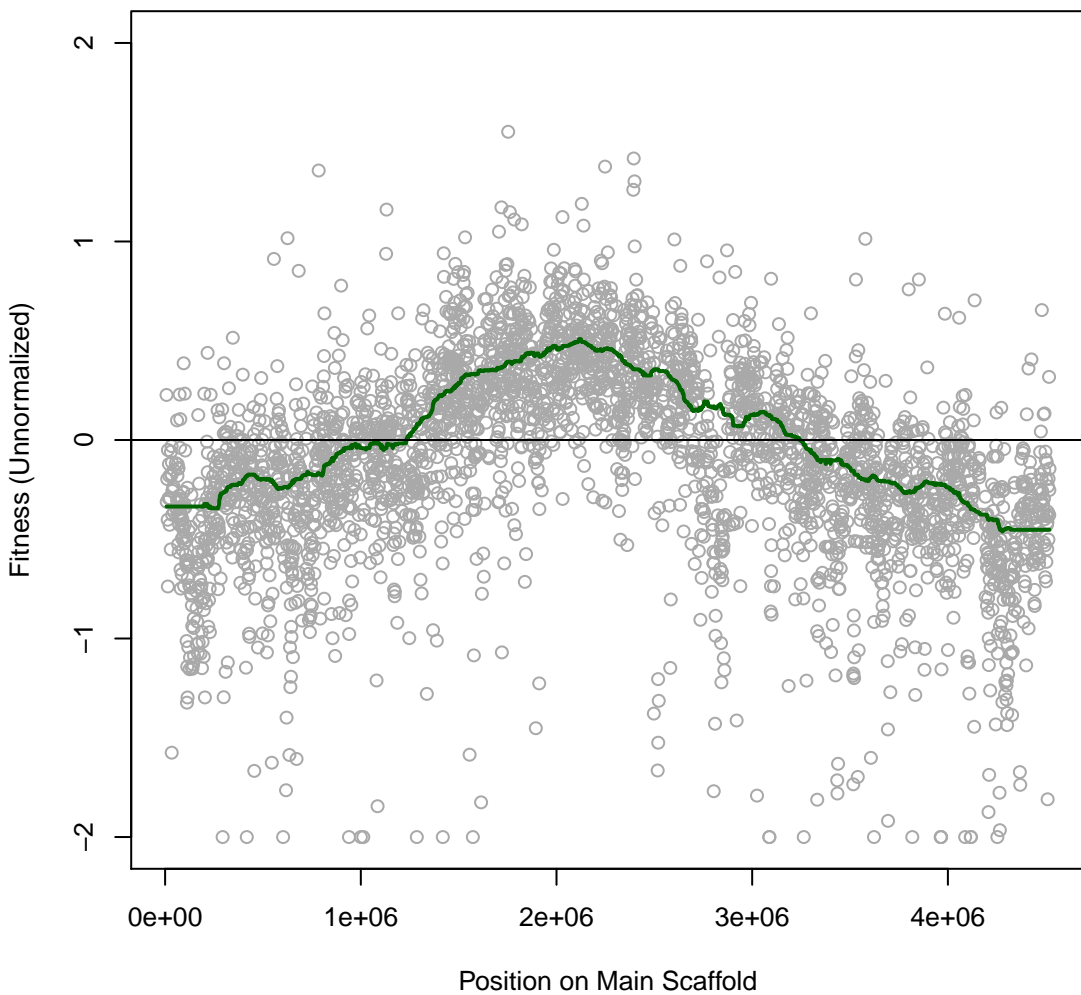
**Time0**



**Cup4G11 3IT001 #97 (gMed=140 rho12=0.295)**  
**L-Citrulline (N)**

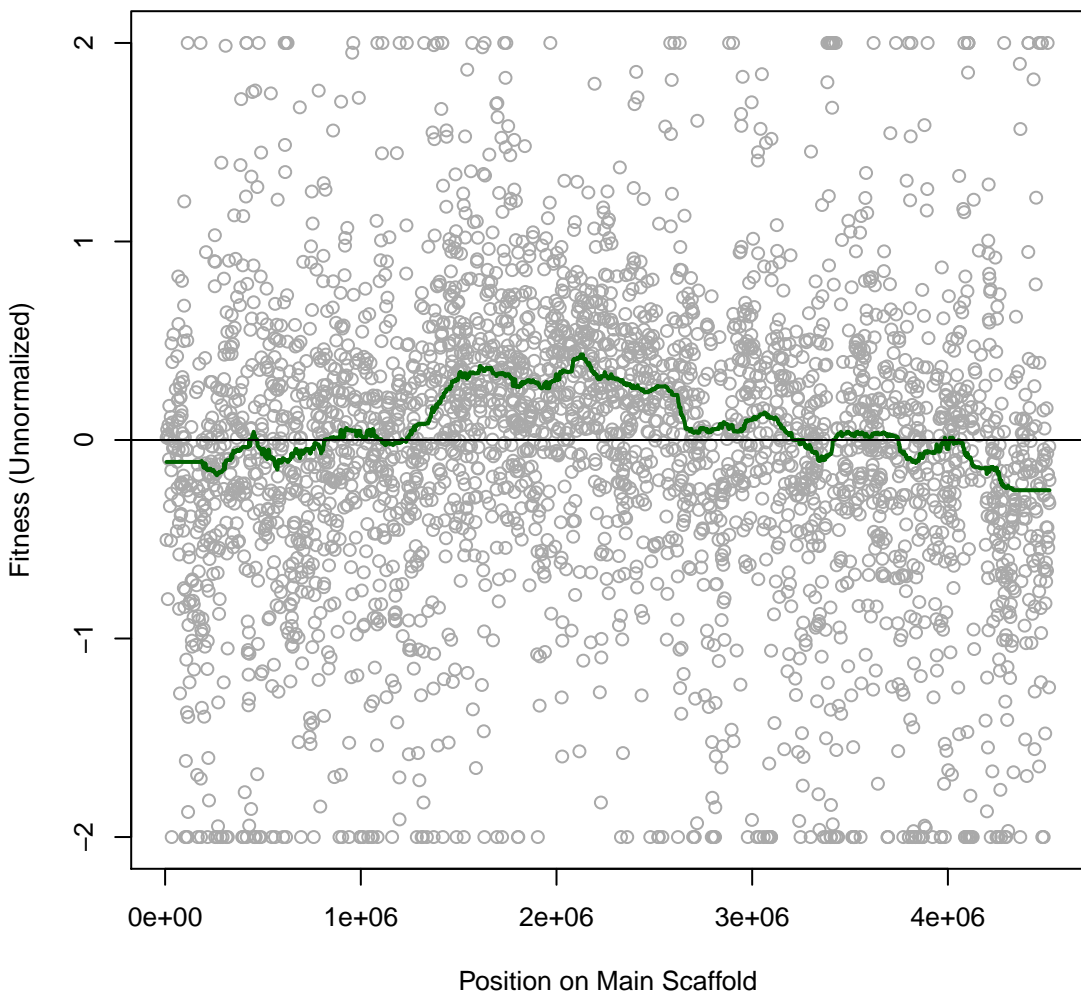


**Cup4G11 3IT002 #98 (gMed=174 rho12=0.241)**  
**casaminos (N)**

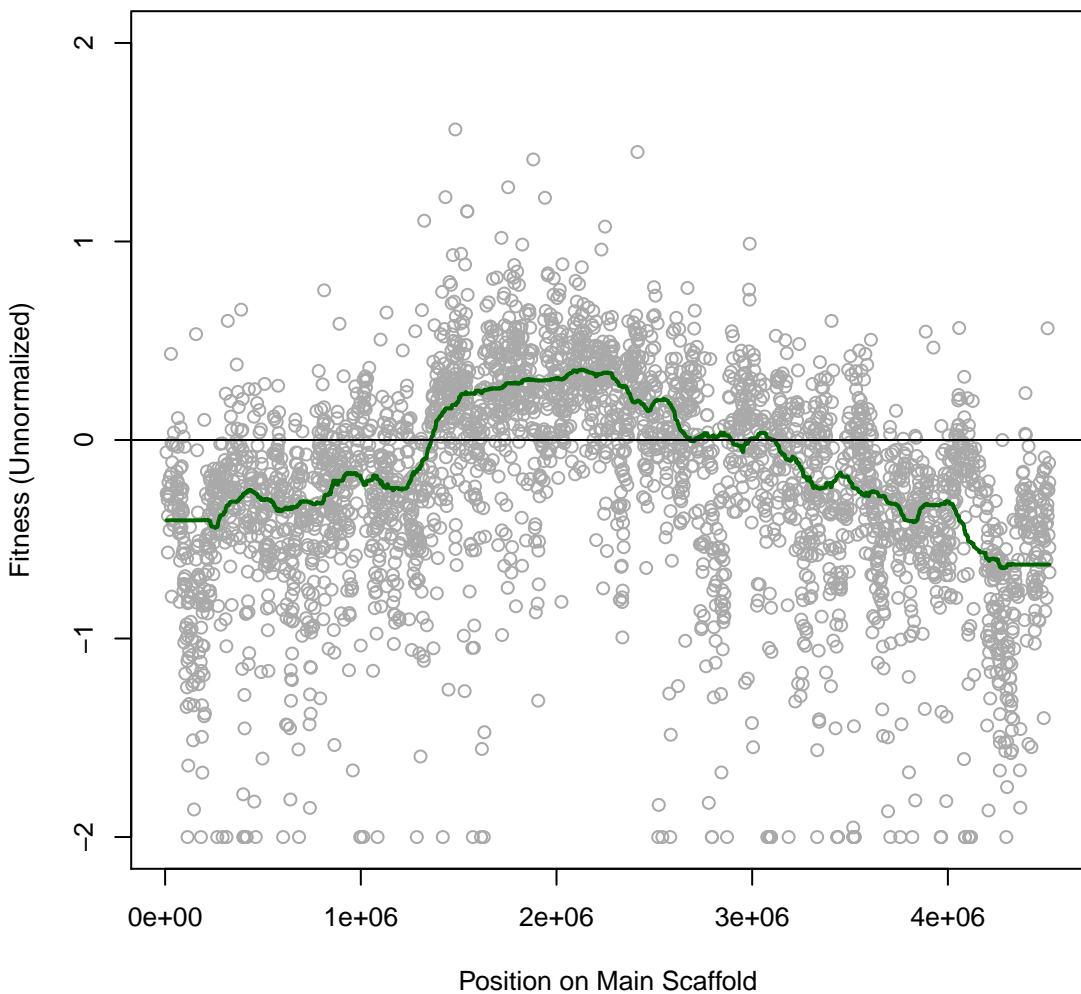


**Cup4G11 3IT003 #99 (gMed=83 rho12=0.248)**

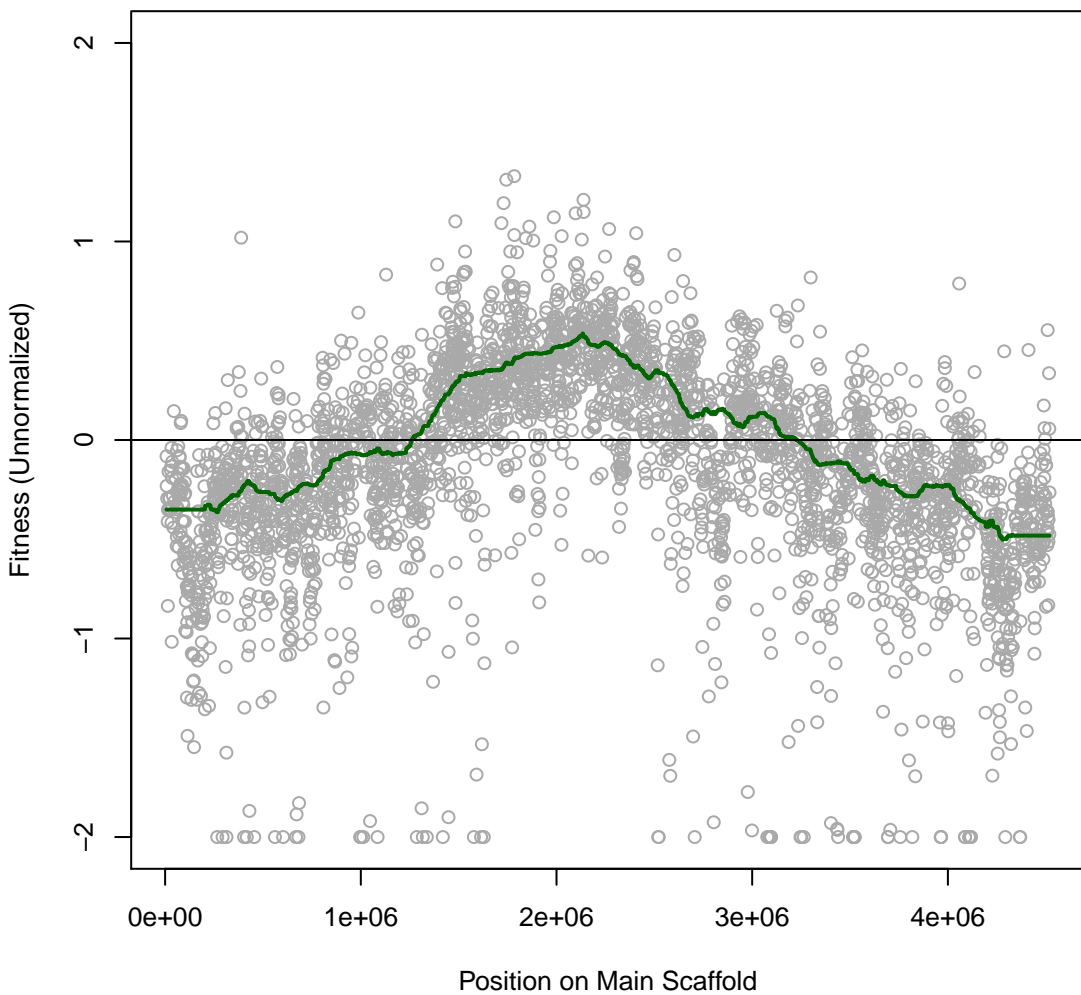
**Adenosine (N)**



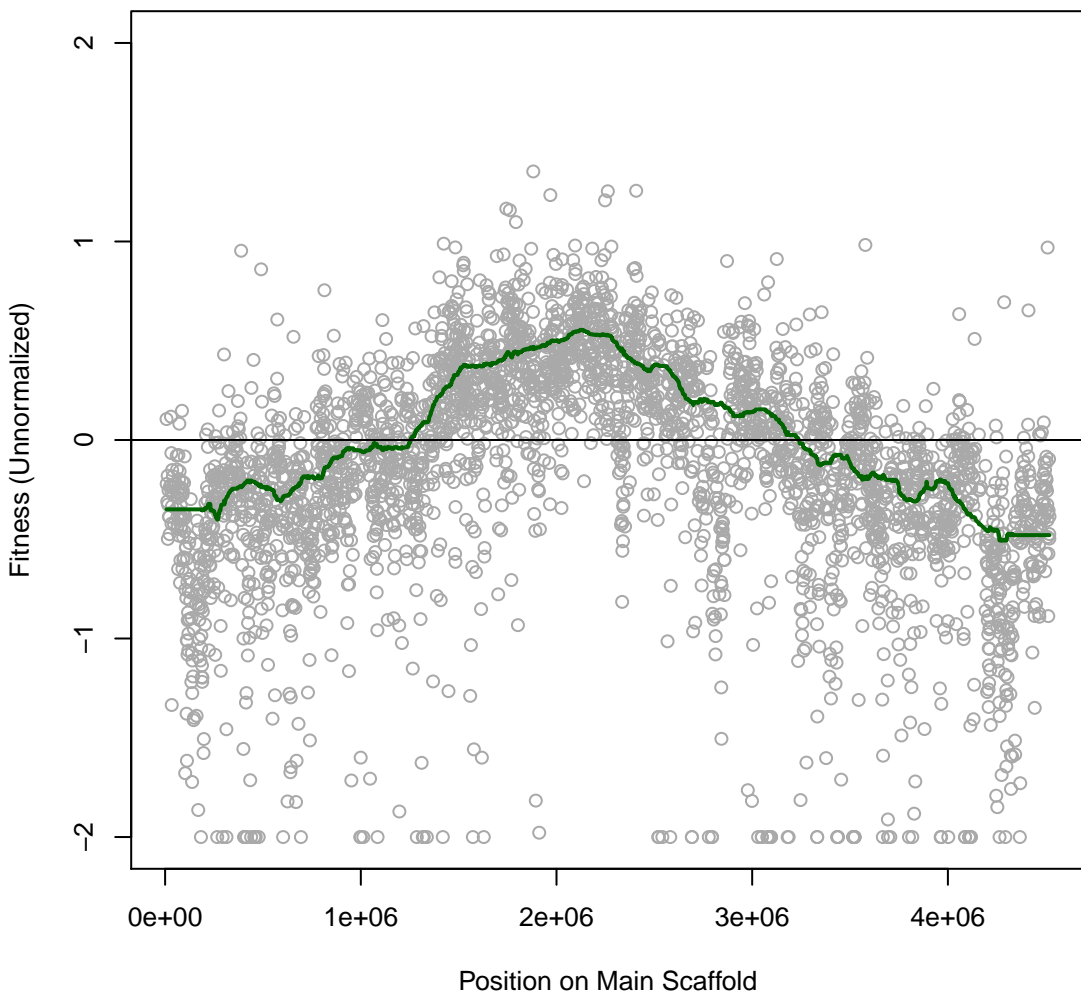
**Cup4G11 3IT004 #100 (gMed=169 rho12=0.363)**  
**Glucuronamide (N)**



**Cup4G11 3IT005 #101 (gMed=172 rho12=0.307)**  
**Ammonium chloride (N)**

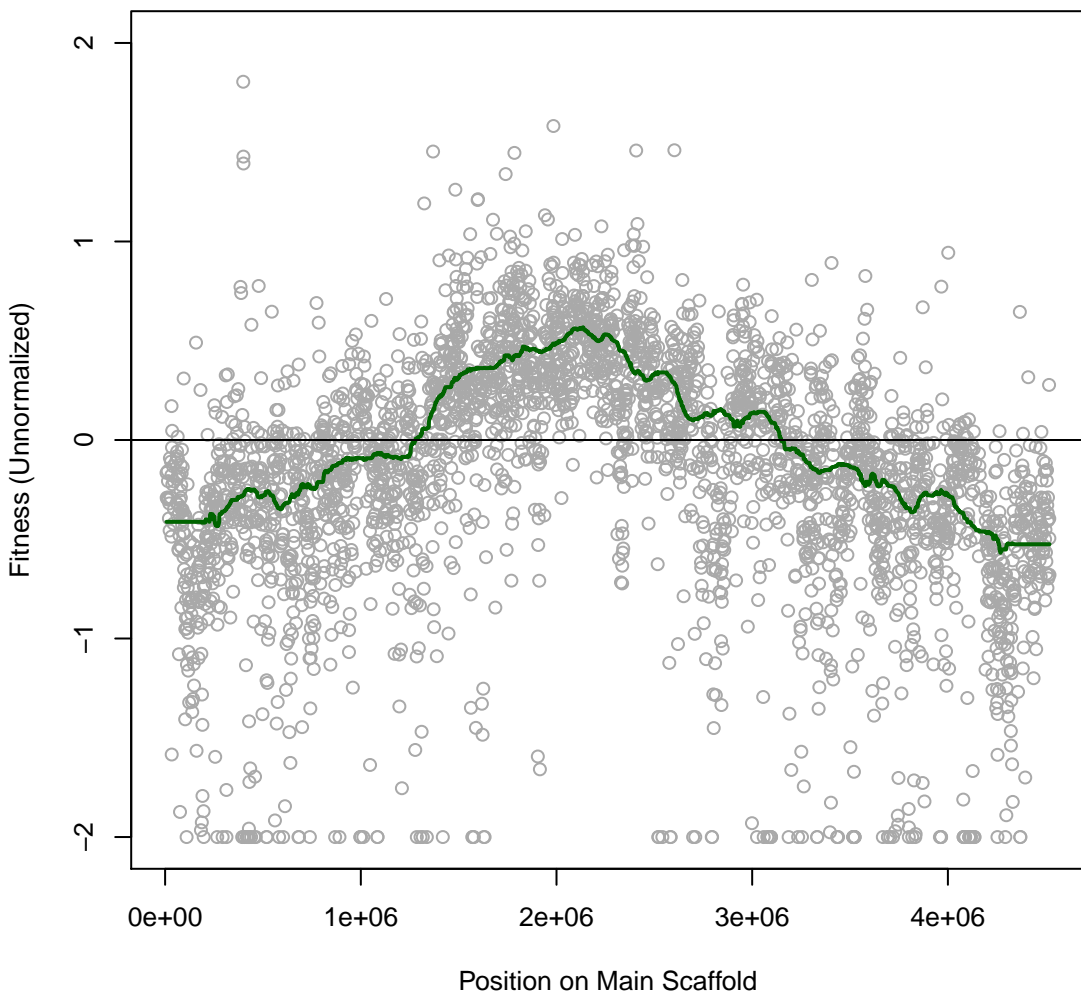


**Cup4G11 3IT006 #102 (gMed=205 rho12=0.317)**  
**nitrate (N)**

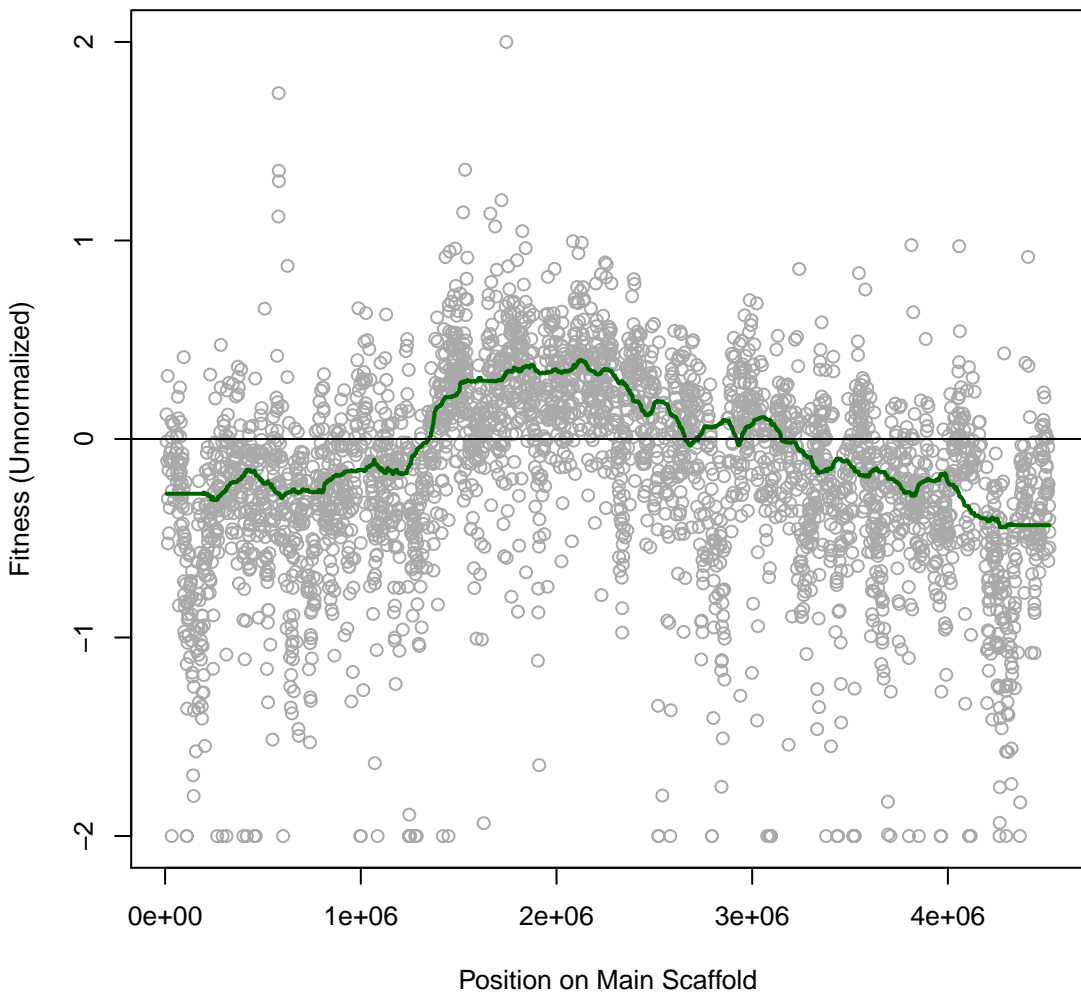




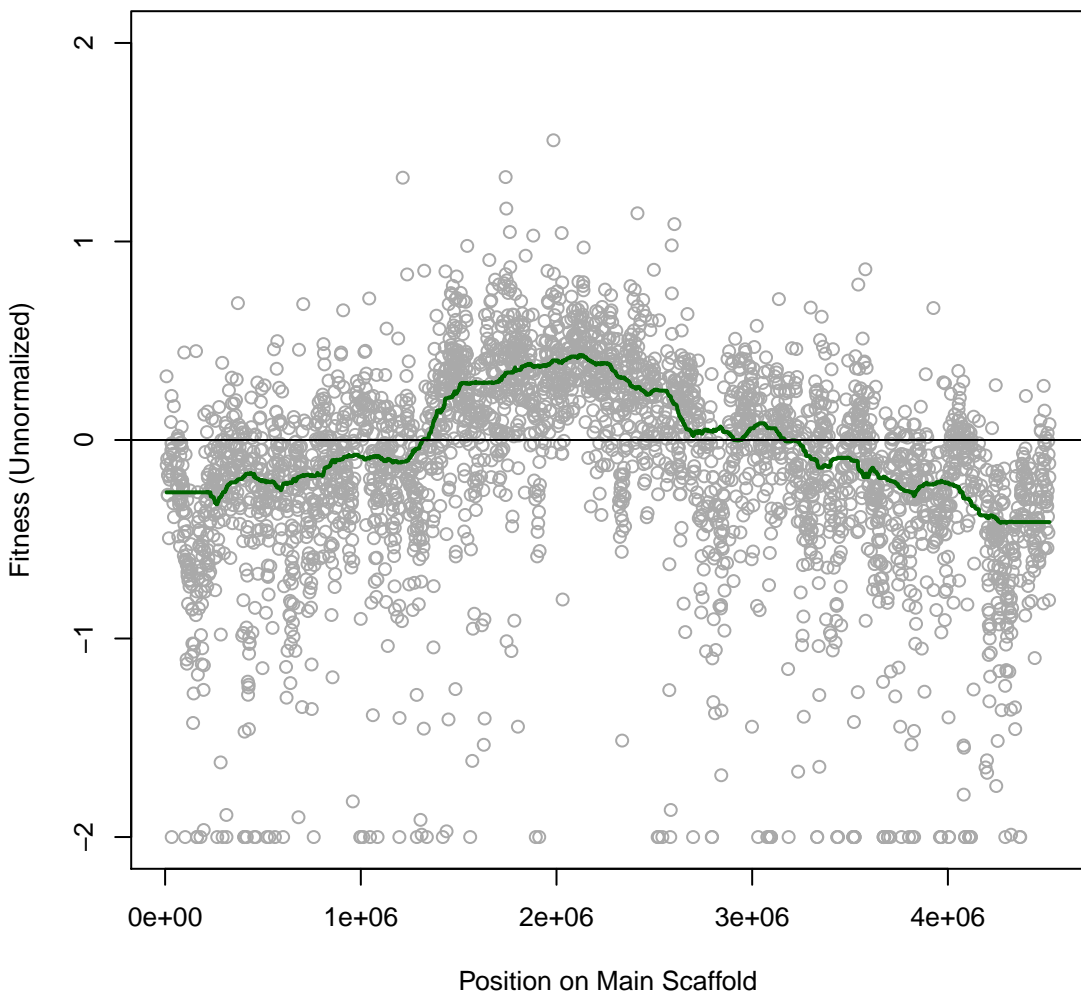
**Cup4G11 3IT007 #103 (gMed=180 rho12=0.369)**  
**nitrite (N)**



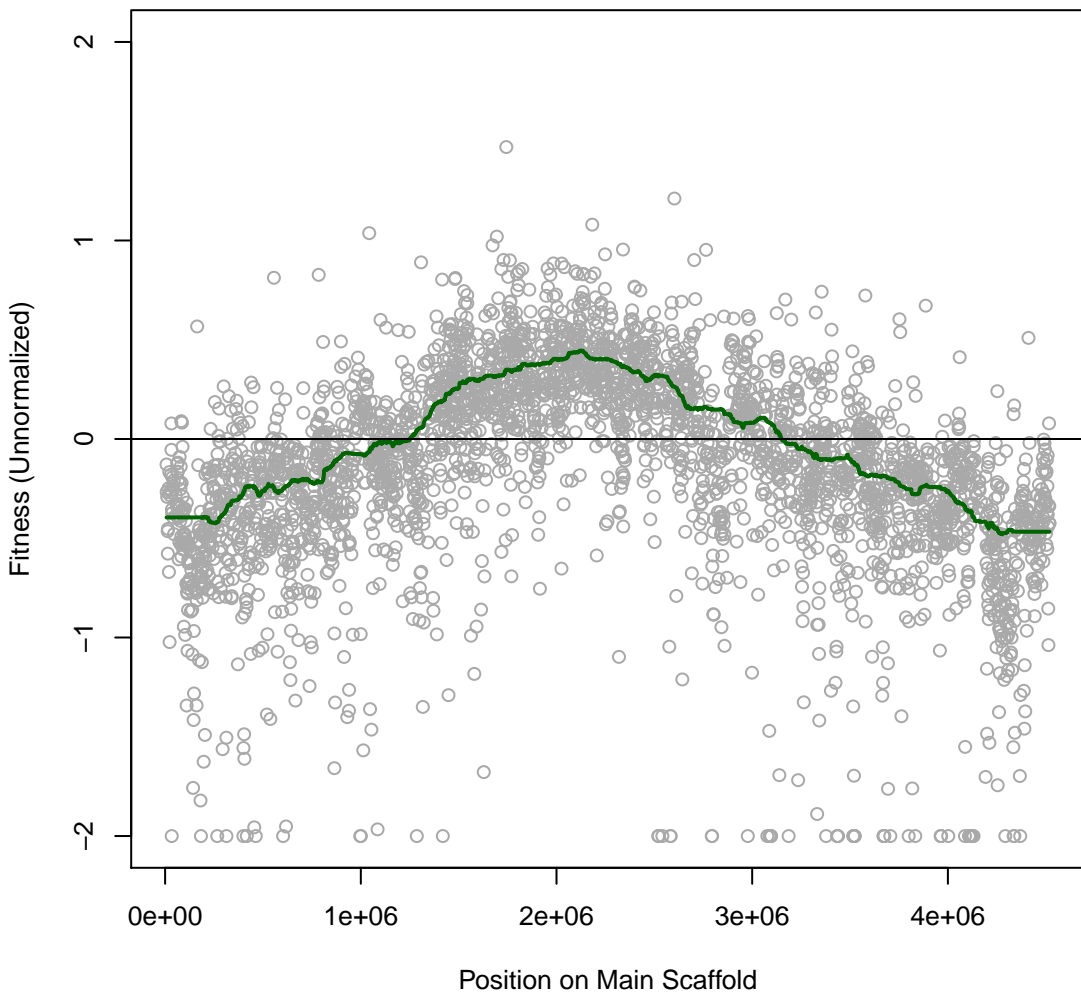
**Cup4G11 3IT008 #104 (gMed=194 rho12=0.384)**  
**Urea (N)**



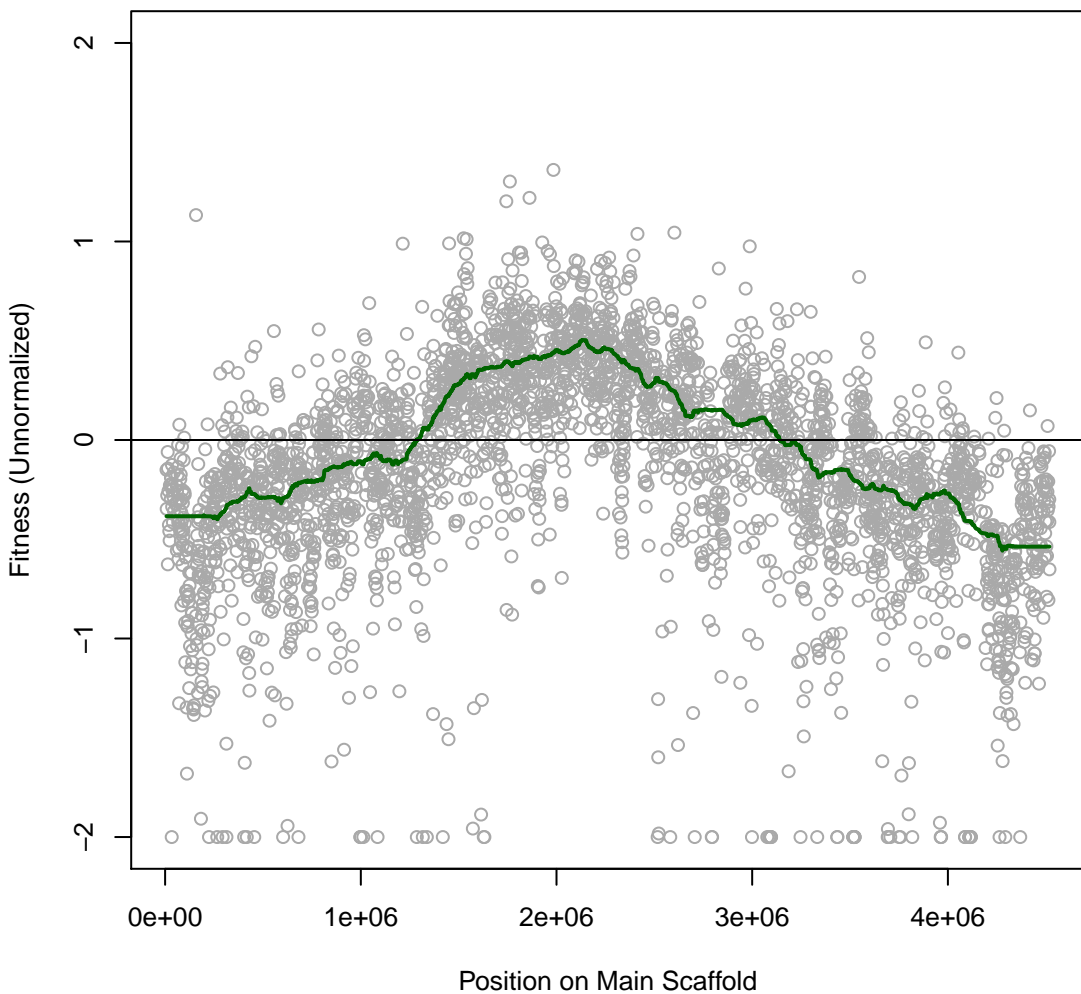
**Cup4G11 3IT009 #105 (gMed=190 rho12=0.336)**  
**L-Lysine (N)**



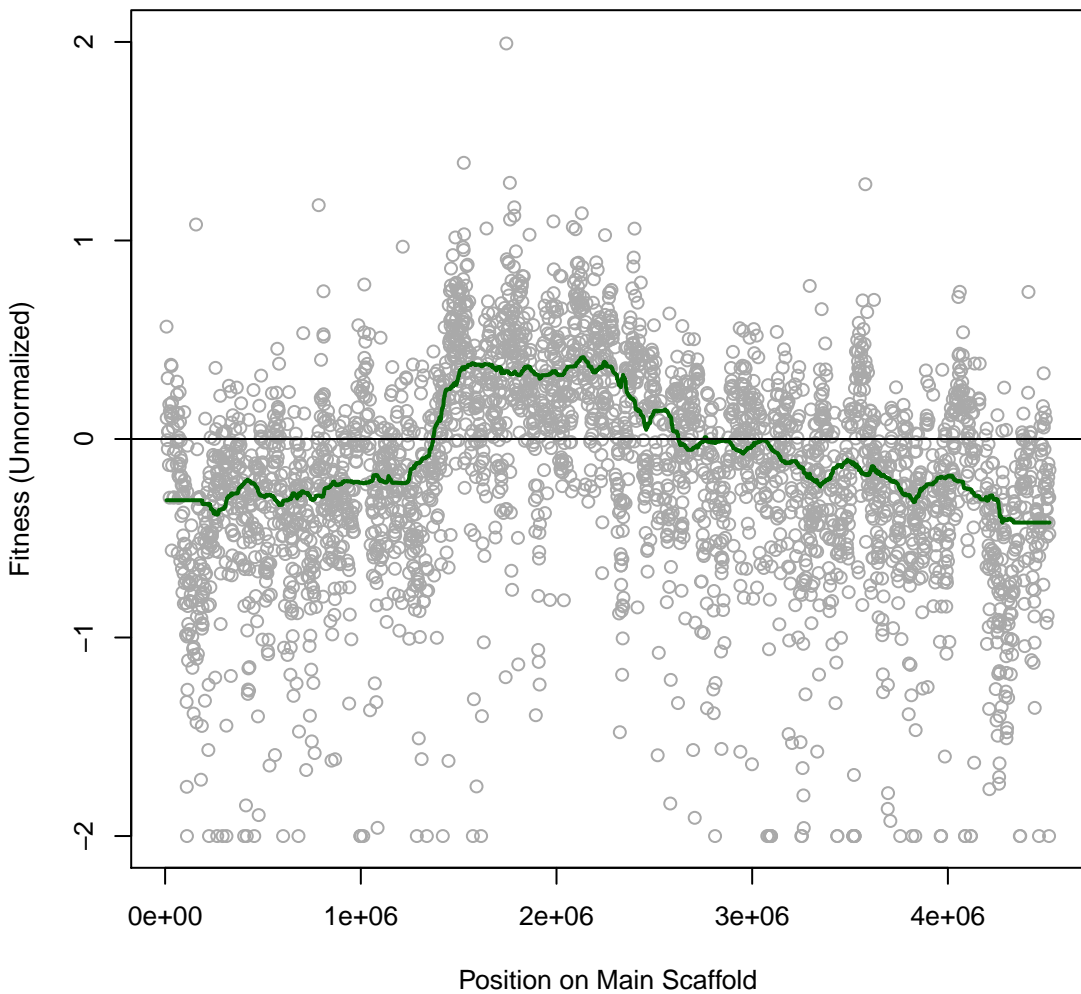
**Cup4G11 3IT010 #106 (gMed=176 rho12=0.245)**  
**L-Serine (N)**



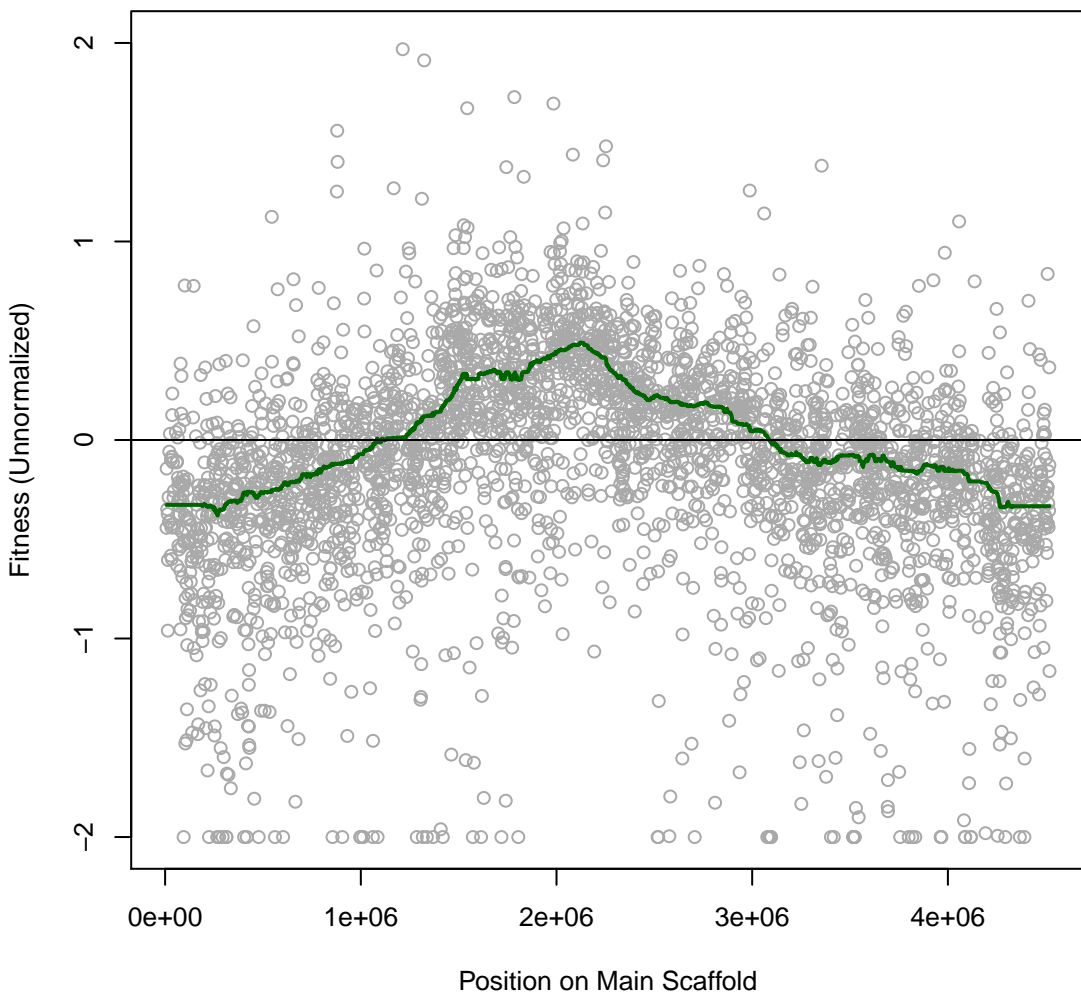
**Cup4G11 3IT011 #107 (gMed=187 rho12=0.300)**  
**L-Threonine (N)**



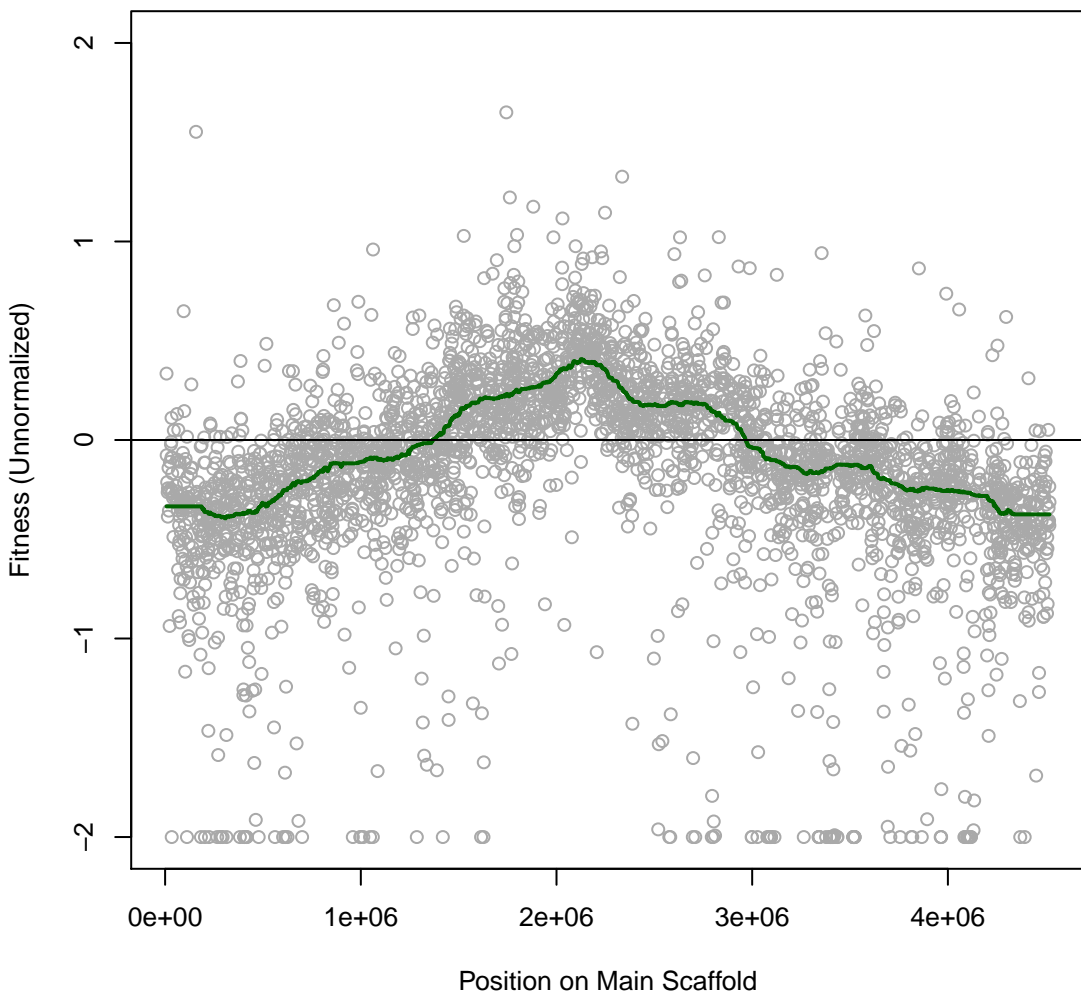
**Cup4G11 3IT012 #108 (gMed=203 rho12=0.499)**  
**L-Asparagine (N)**



**Cup4G11 3IT013 #109 (gMed=66 rho12=0.100)**  
**L-Glutamine (N)**

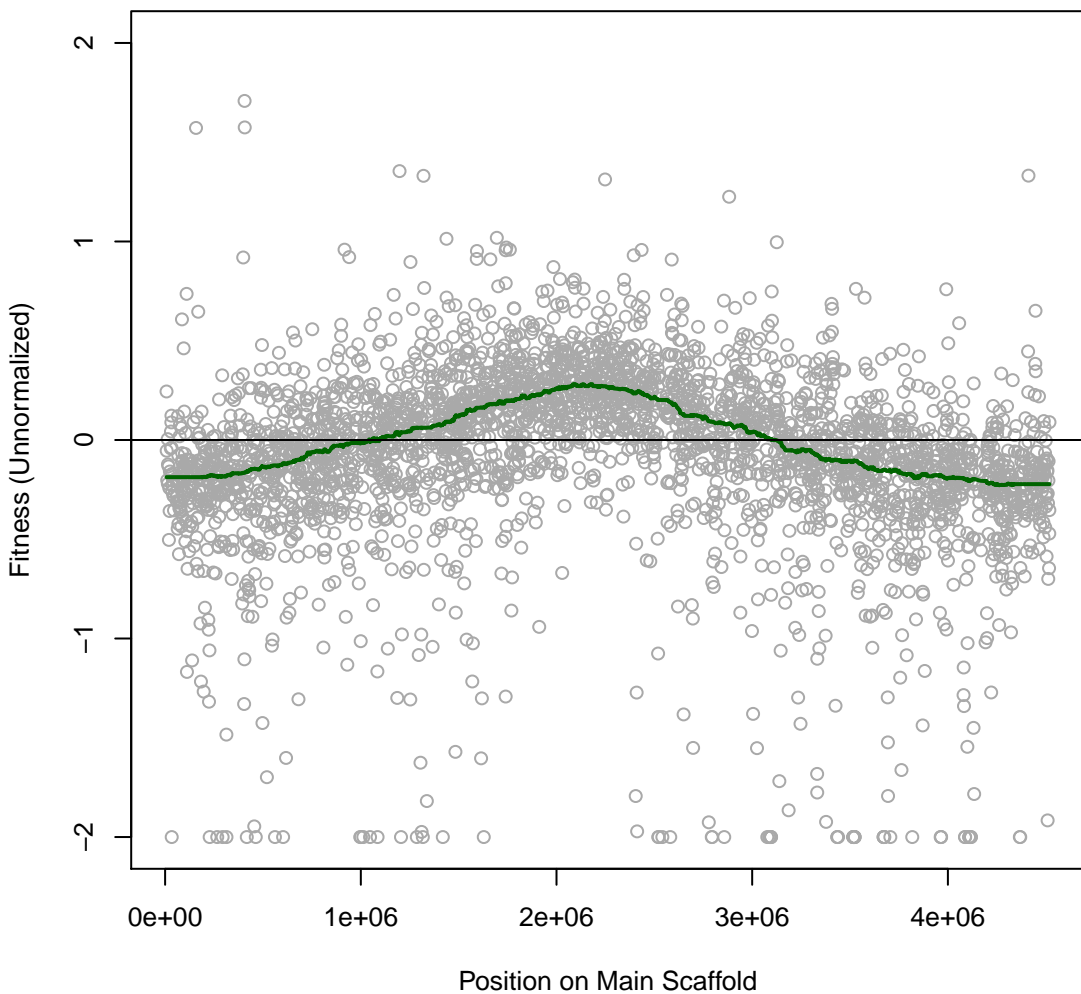


**Cup4G11 3IT014 #110 (gMed=192 rho12=0.170)**  
**Glycine (N)**

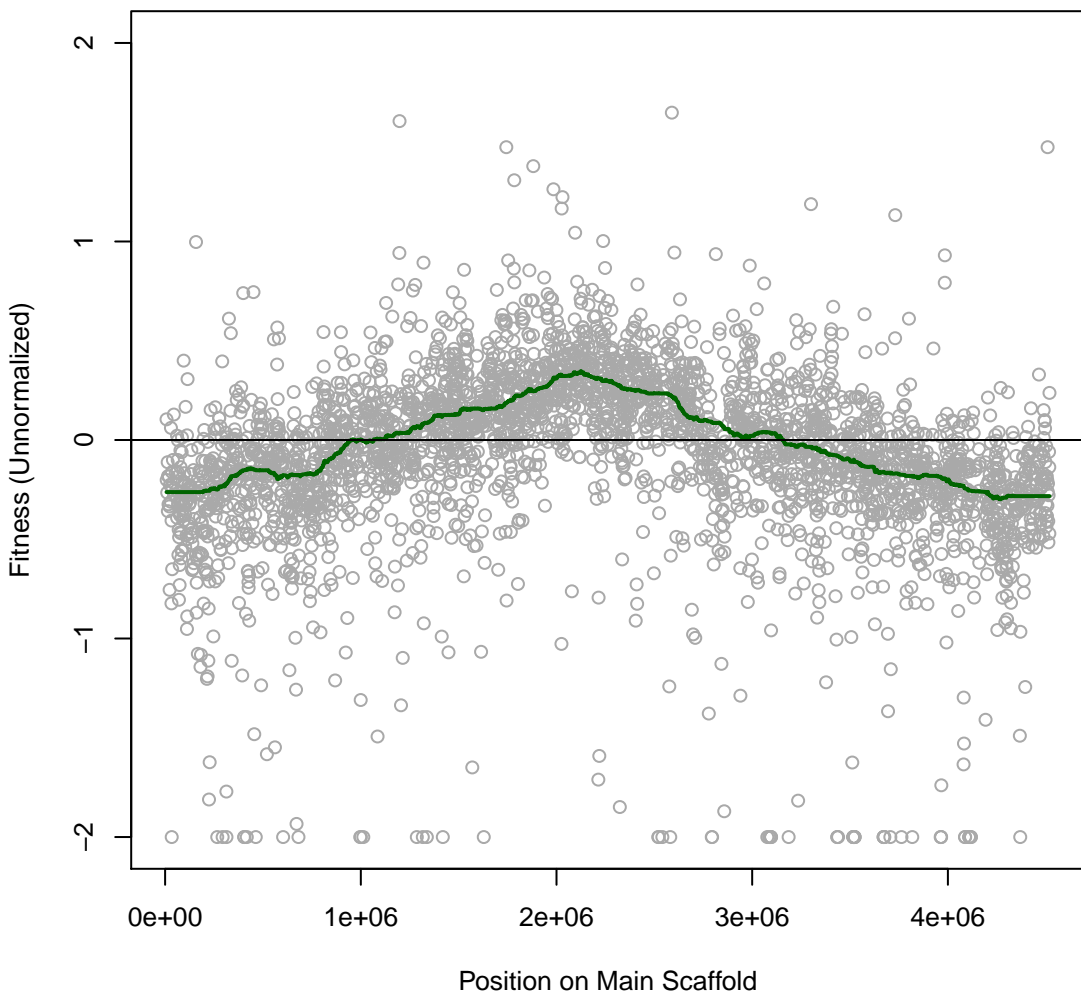




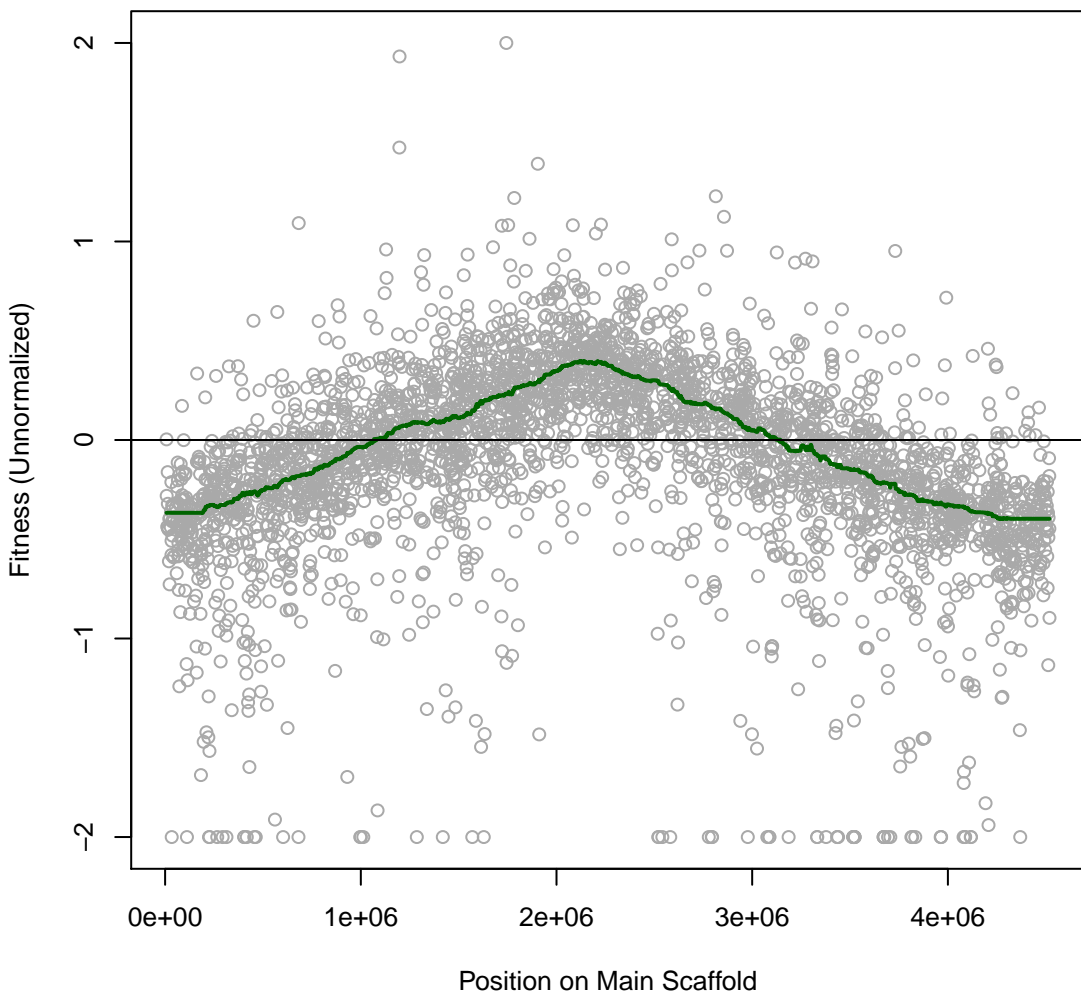
**Cup4G11 3IT015 #111 (gMed=192 rho12=0.133)**  
**L-Valine (N)**



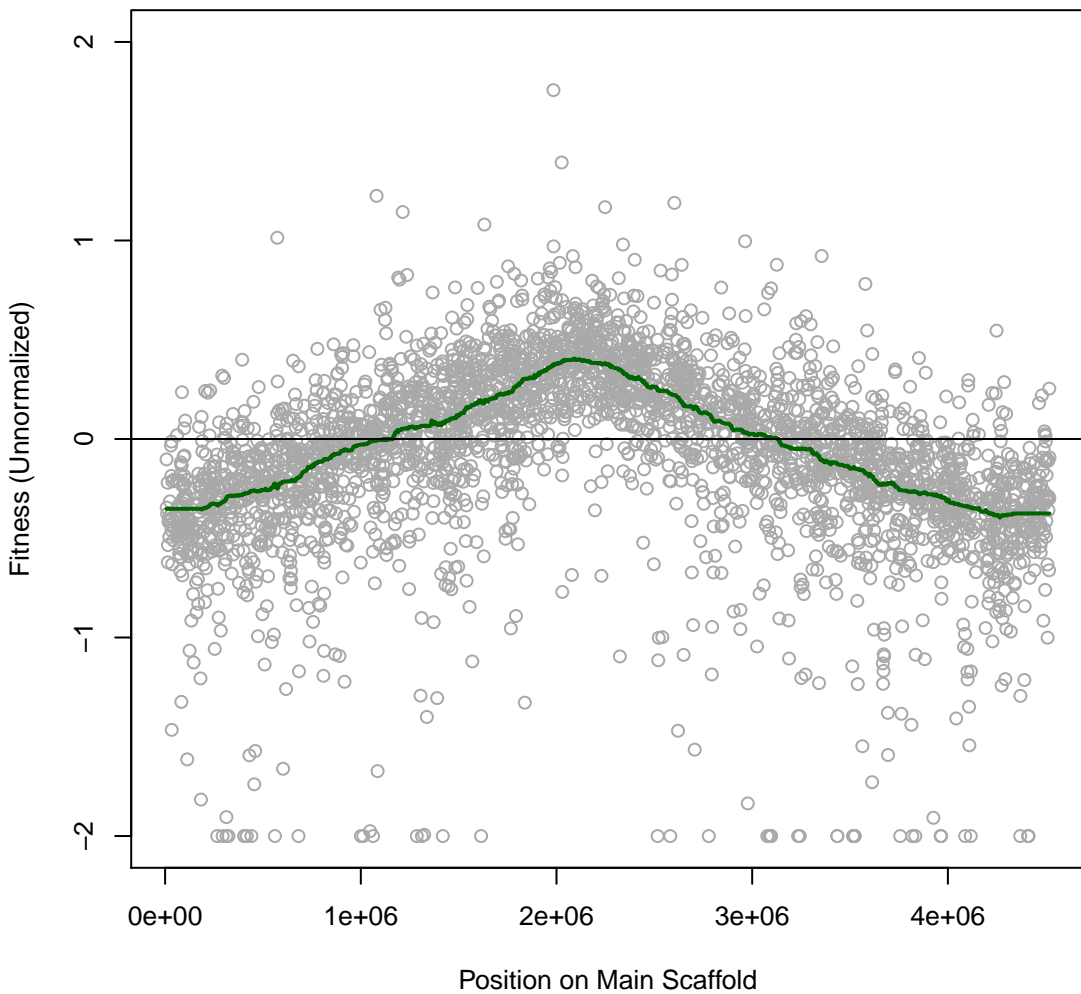
**Cup4G11 3IT016 #112 (gMed=224 rho12=0.130)**  
**L-Isoleucine (N)**



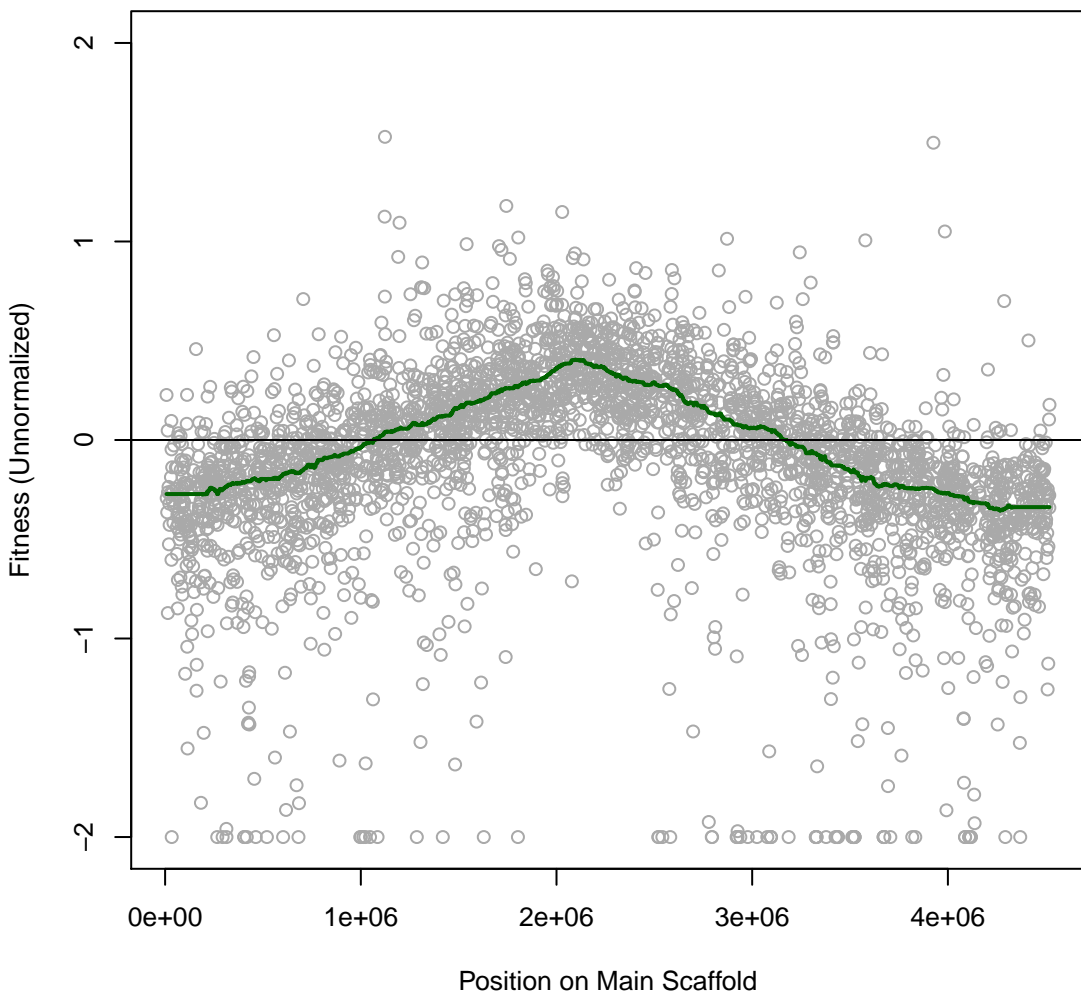
**Cup4G11 3IT017 #113 (gMed=182 rho12=0.135)**  
**L-Leucine (N)**



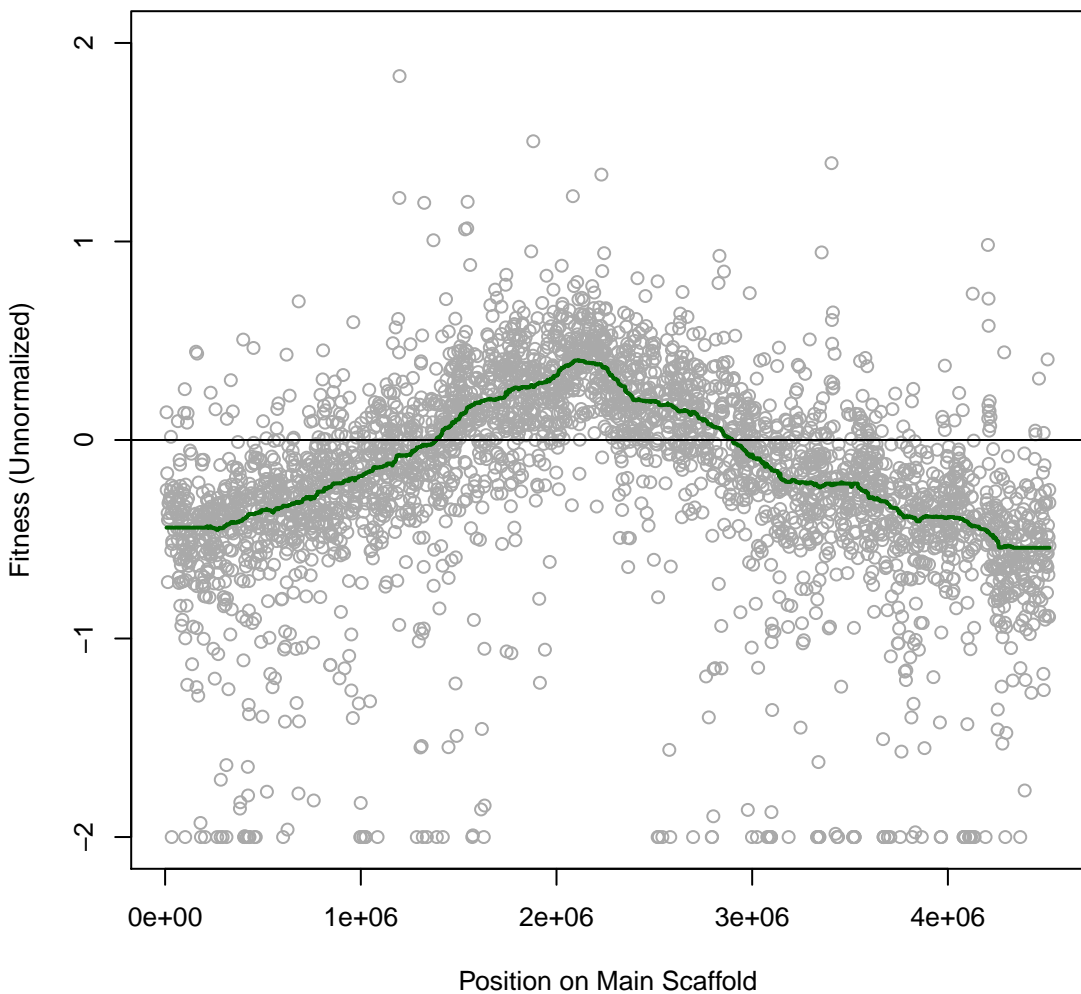
**Cup4G11 3IT018 #114 (gMed=156 rho12=0.111)**  
**L-Phenylalanine (N)**



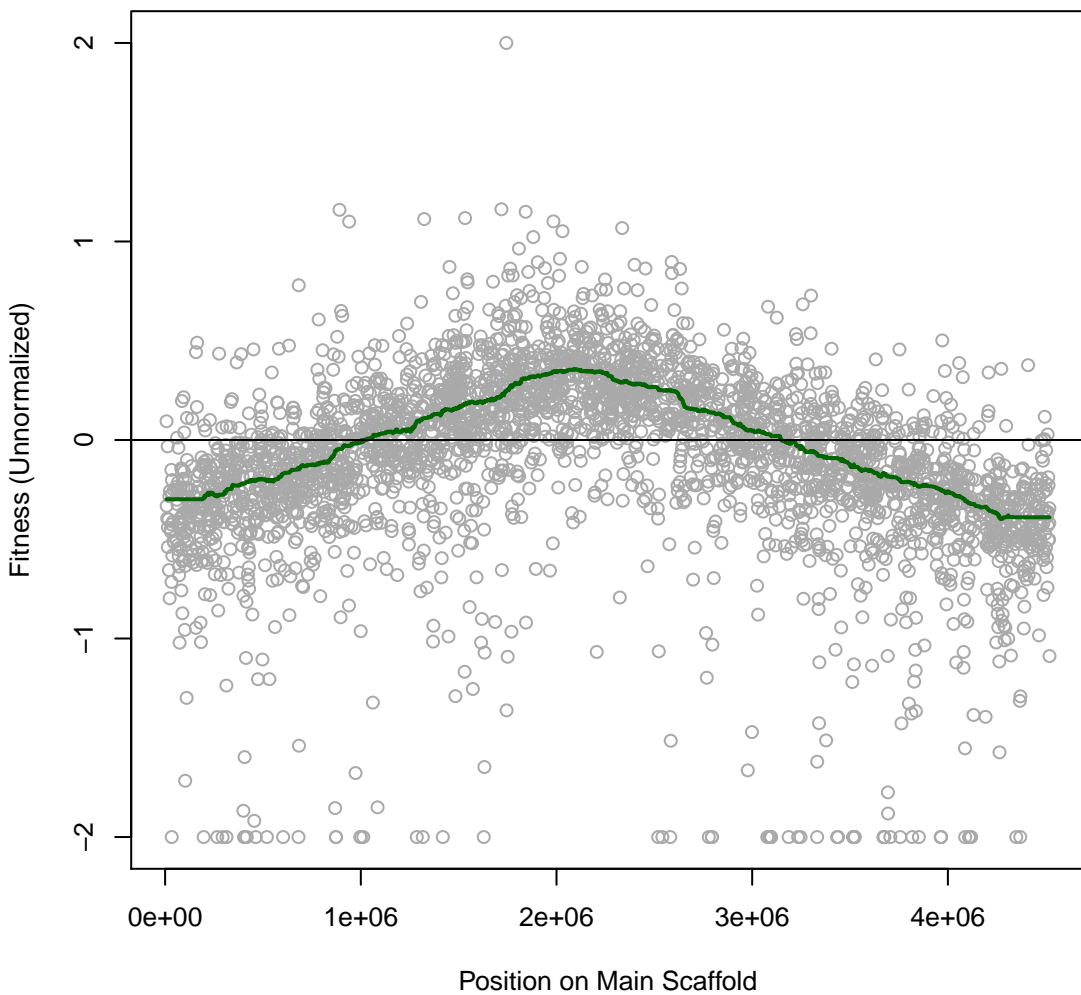
**Cup4G11 3IT019 #115 (gMed=194 rho12=0.157)**  
**L-Tryptophan (N)**



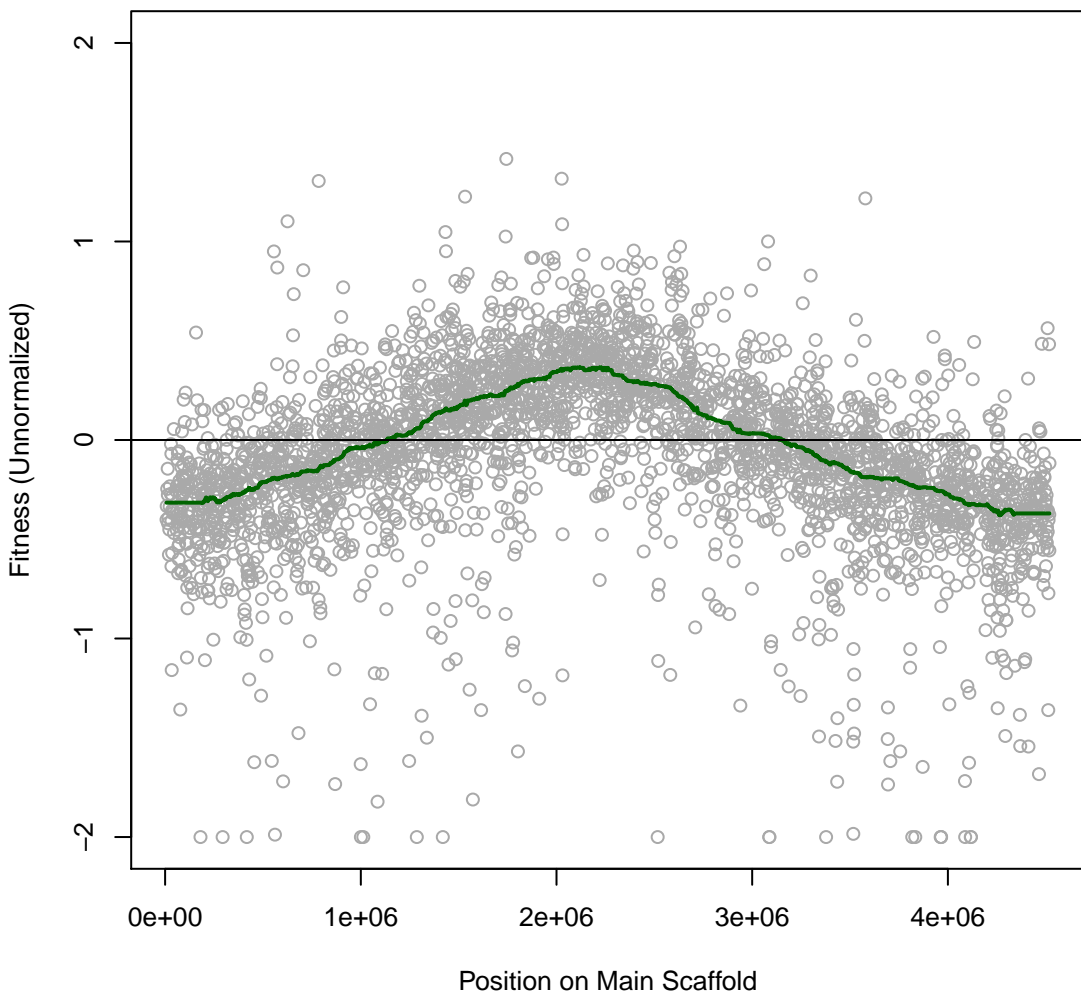
**Cup4G11 3IT020 #116 (gMed=192 rho12=0.198)**  
**D-Alanine (N)**



**Cup4G11 3IT021 #117 (gMed=195 rho12=0.116)**  
**L-Citrulline (N)**



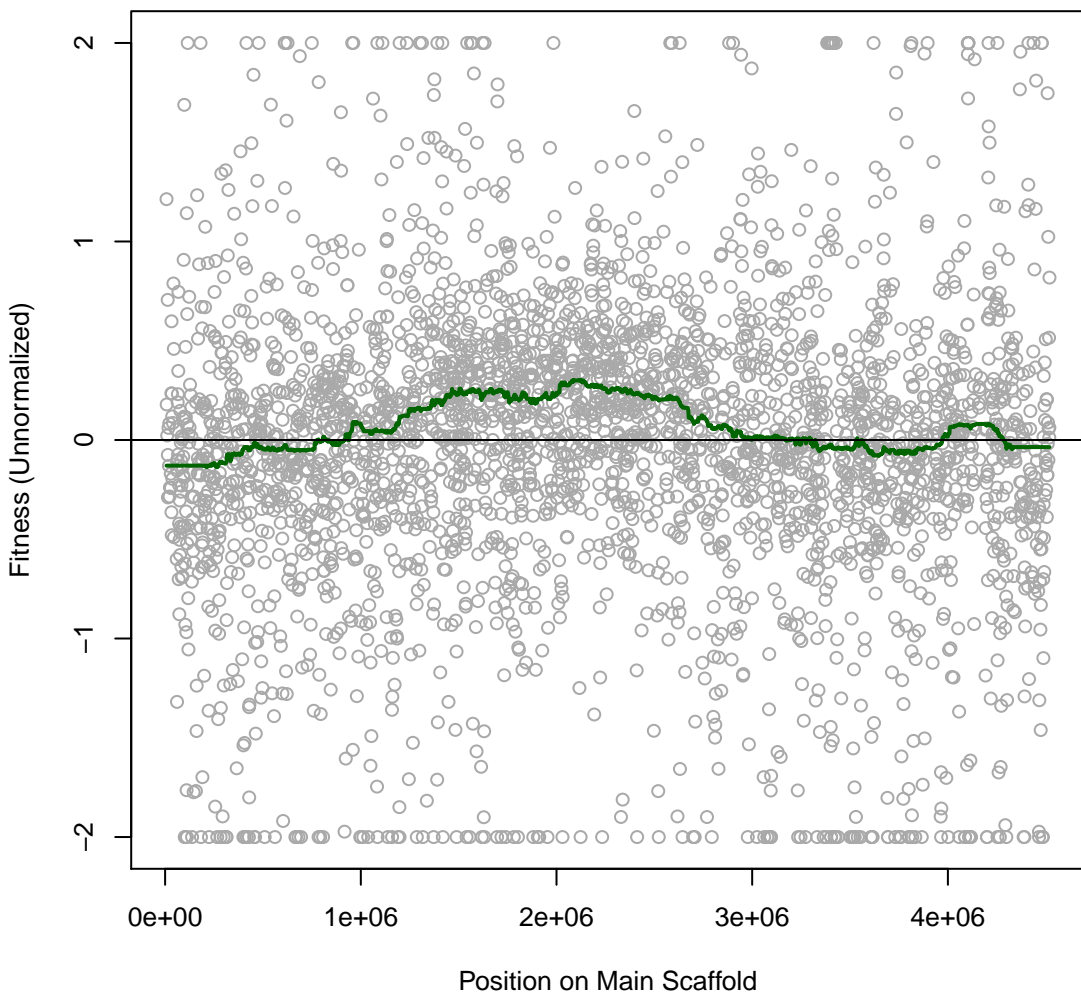
**Cup4G11 3IT022 #118 (gMed=177 rho12=0.069)**  
**casaminos (N)**



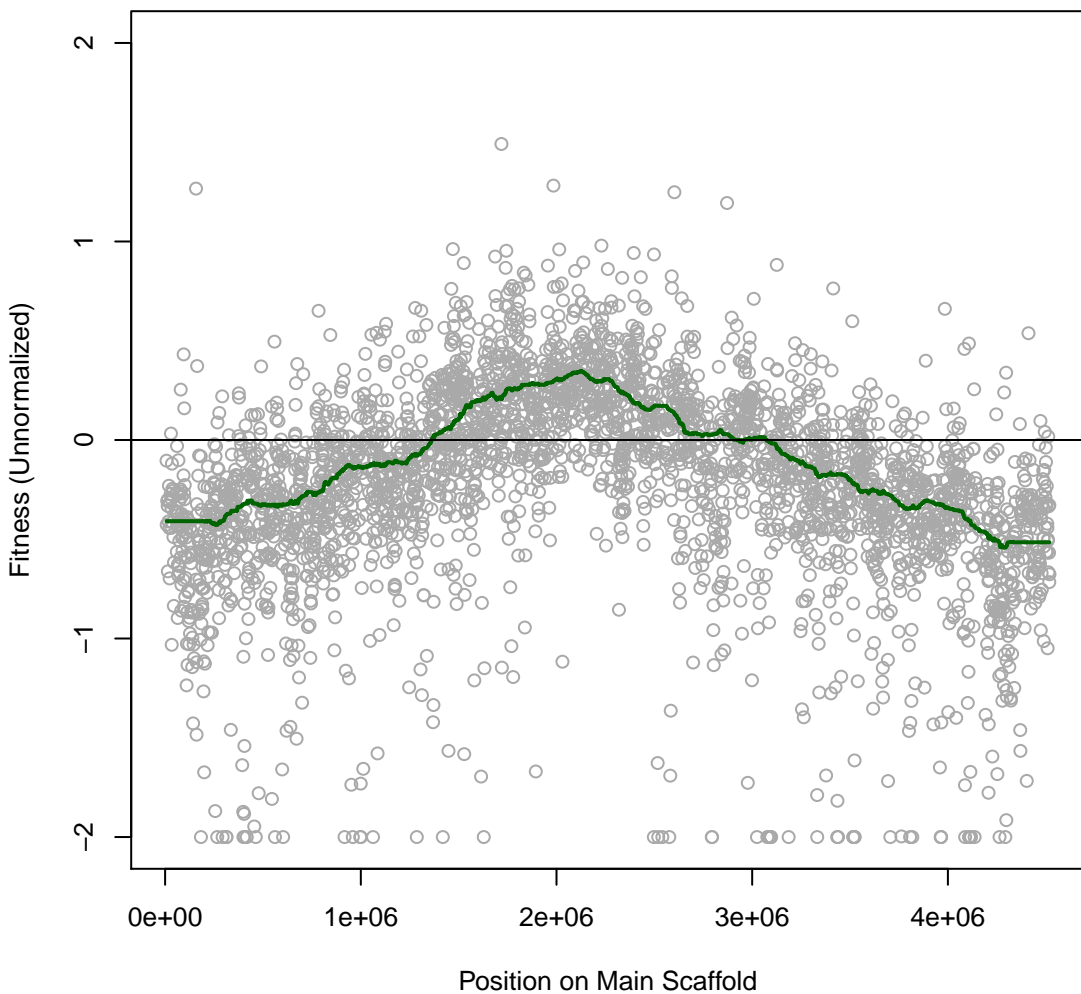


**Cup4G11 3IT023 #119 (gMed=76 rho12=0.209)**

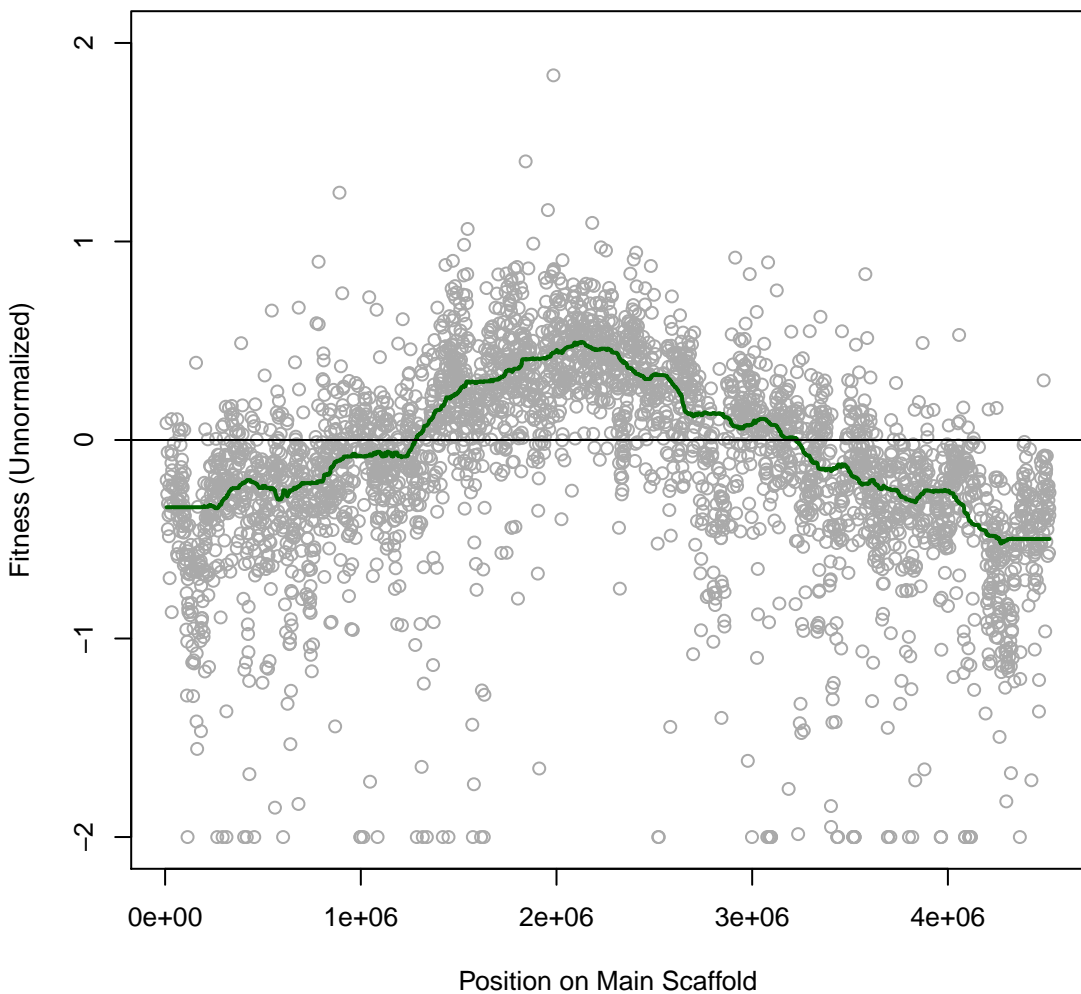
**Adenosine (N)**



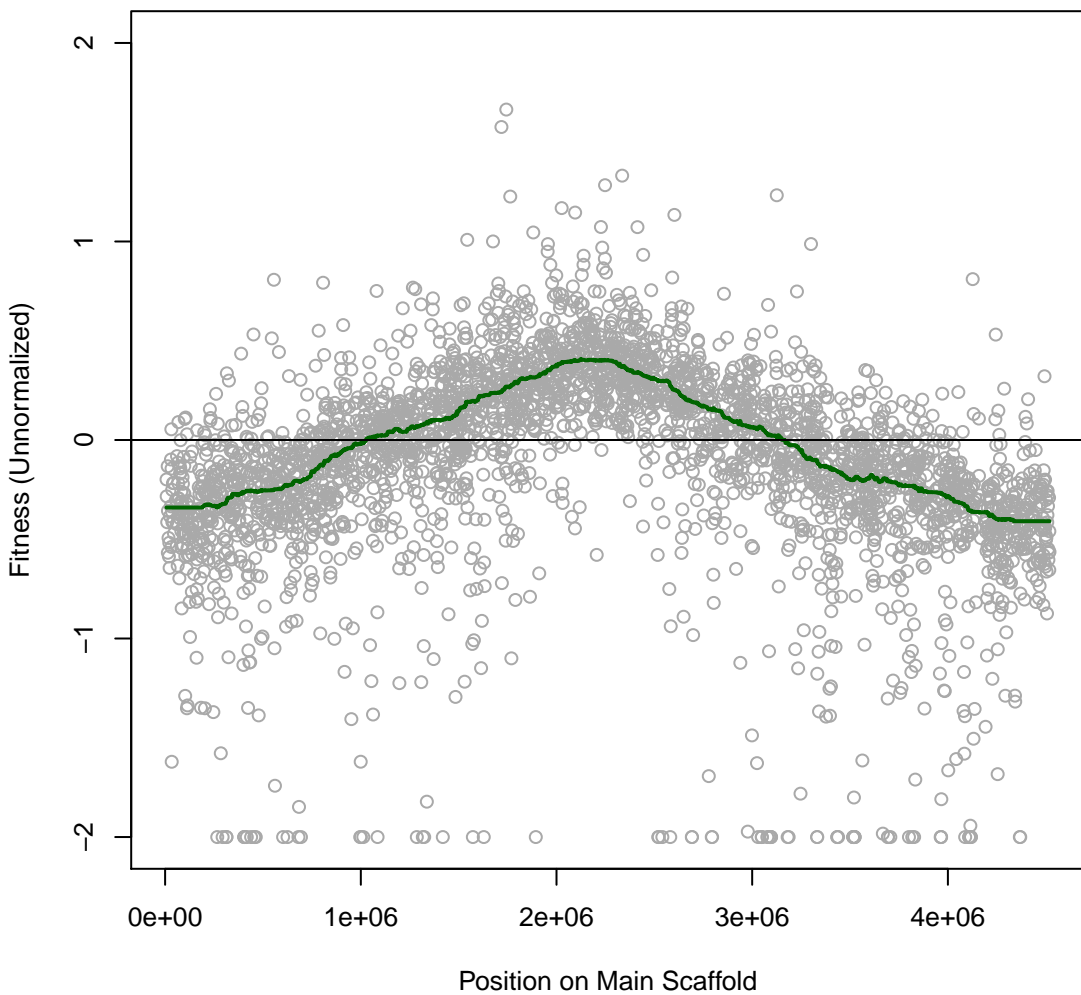
**Cup4G11 3IT024 #120 (gMed=161 rho12=0.186)**  
**Glucuronamide (N)**



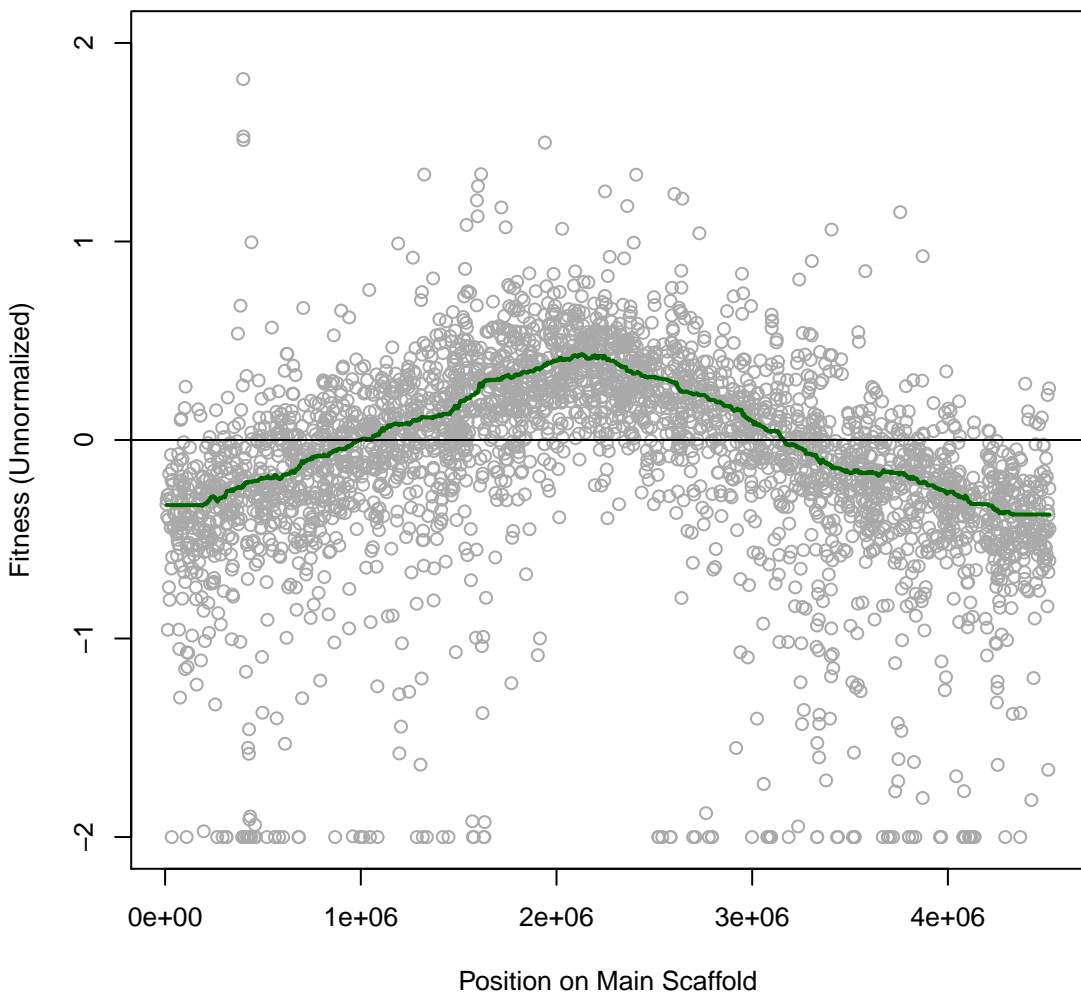
**Cup4G11 3IT025 #121 (gMed=211 rho12=0.277)**  
**Ammonium chloride (N)**



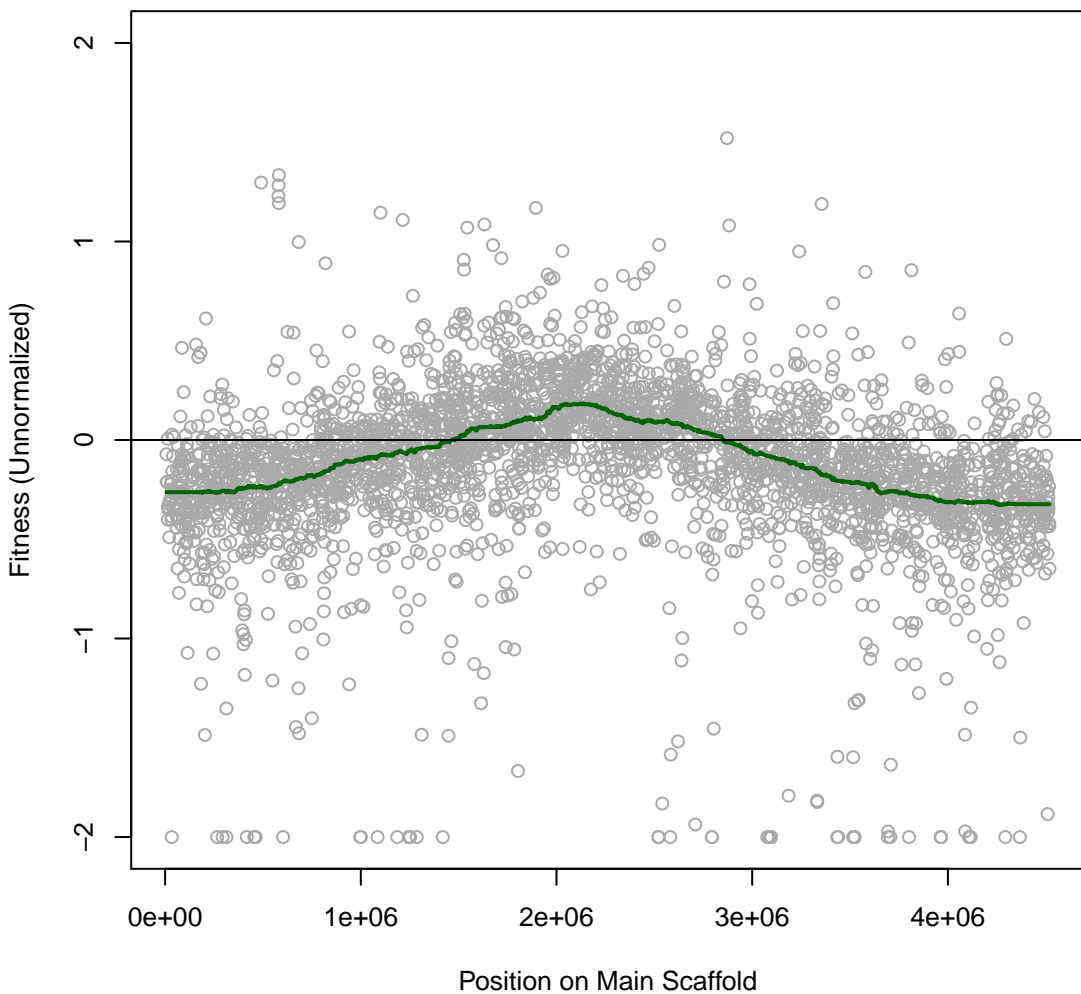
**Cup4G11 3IT026 #122 (gMed=204 rho12=0.121)**  
**nitrate (N)**



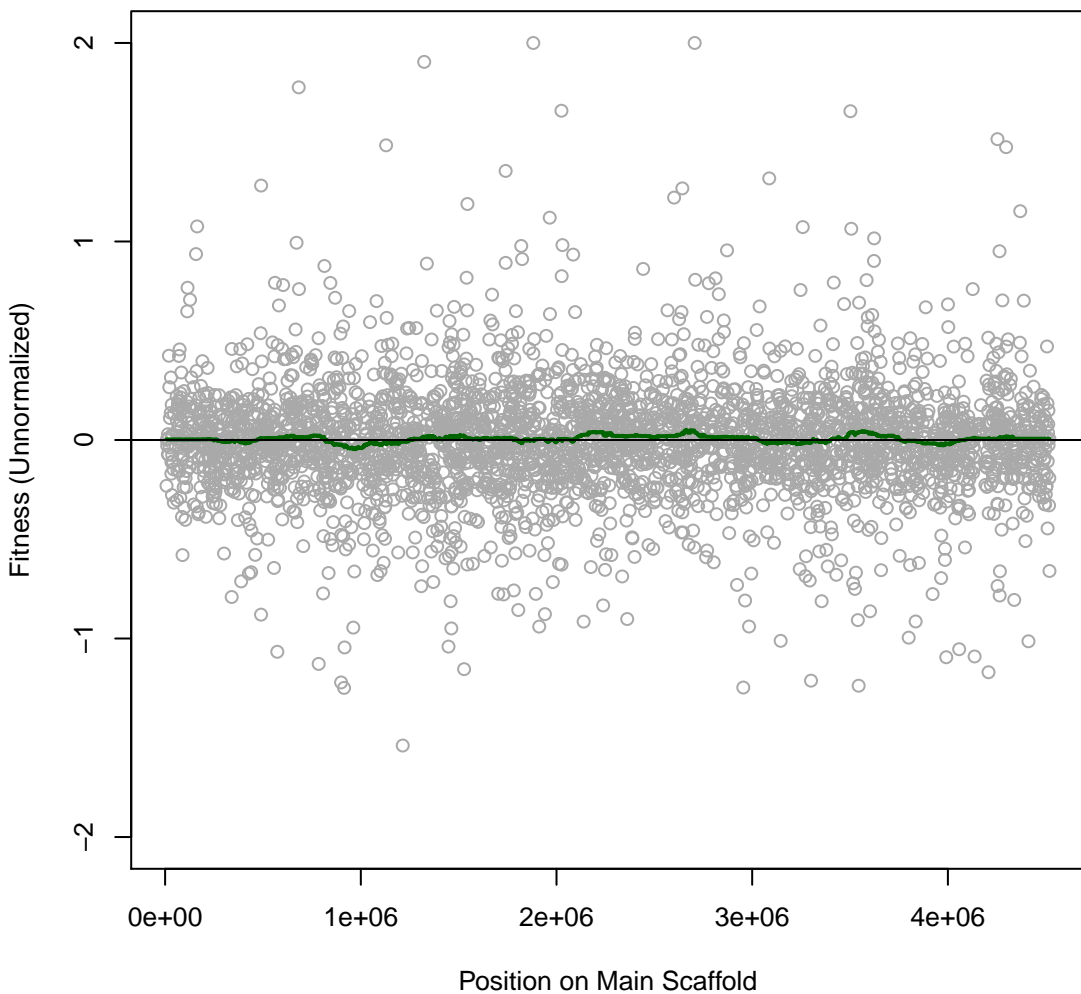
**Cup4G11 3IT027 #123 (gMed=193 rho12=0.191)**  
**nitrite (N)**



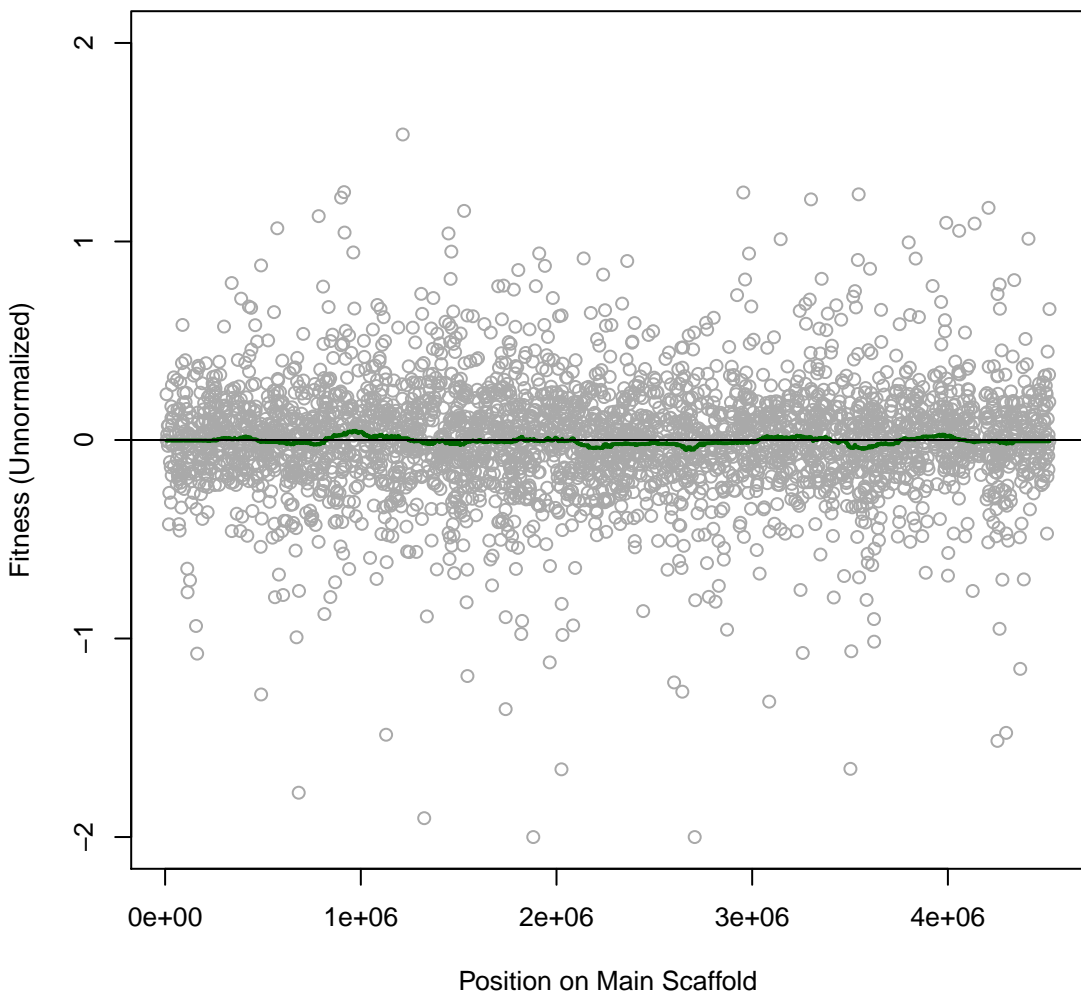
**Cup4G11 3IT028 #124 (gMed=187 rho12=0.088)**  
**Urea (N)**



**Cup4G11 3IT029 #125 (gMed=202 rho12=0.020)**  
**Time0**

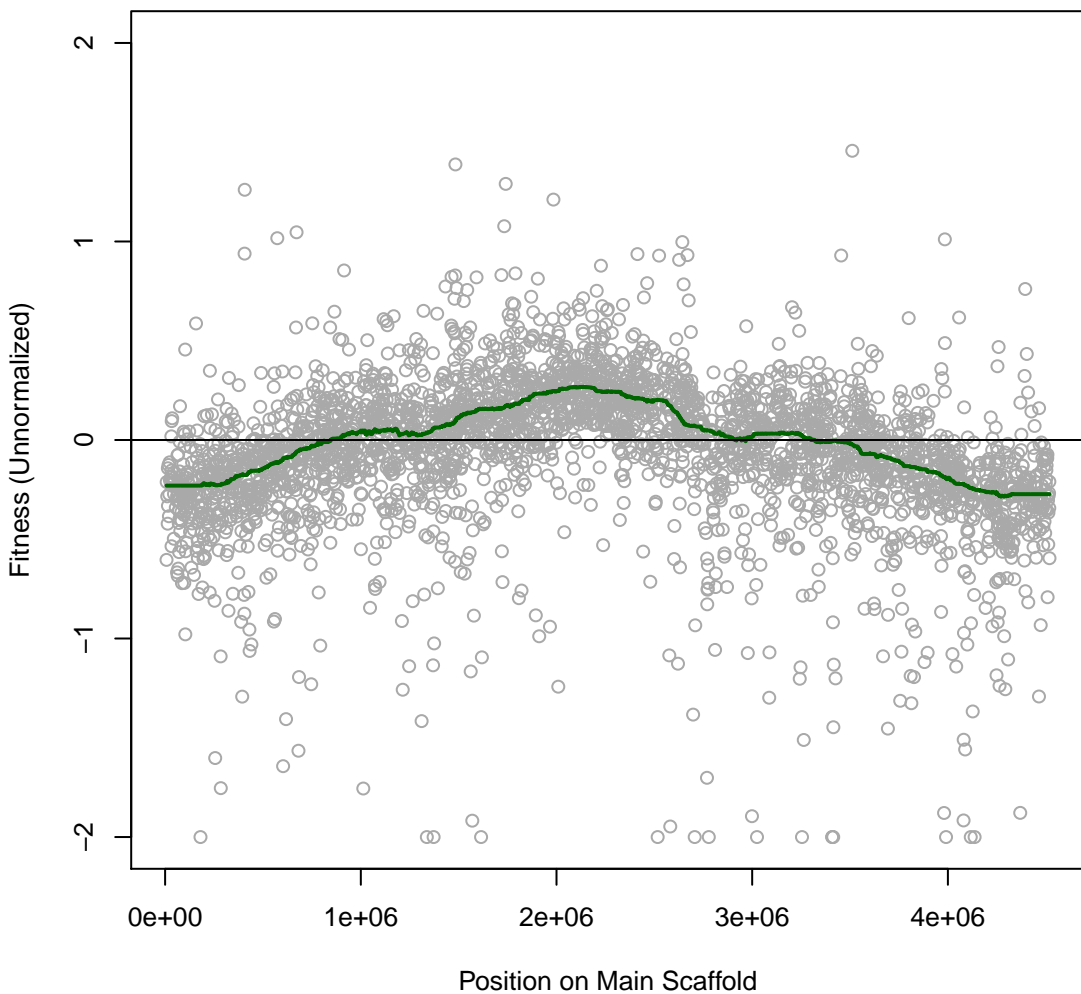


**Cup4G11 3IT030 #126 (gMed=168 rho12=0.020)**  
**Time0**

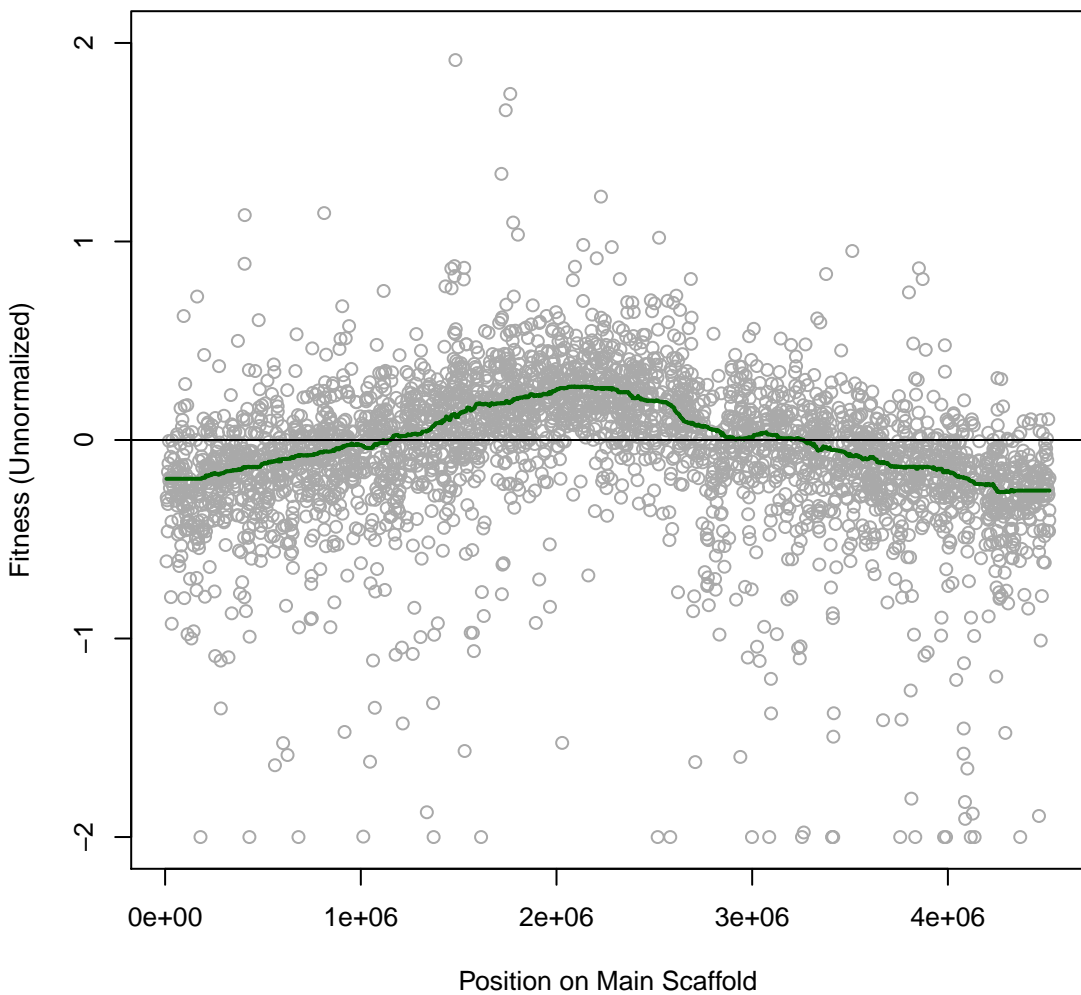




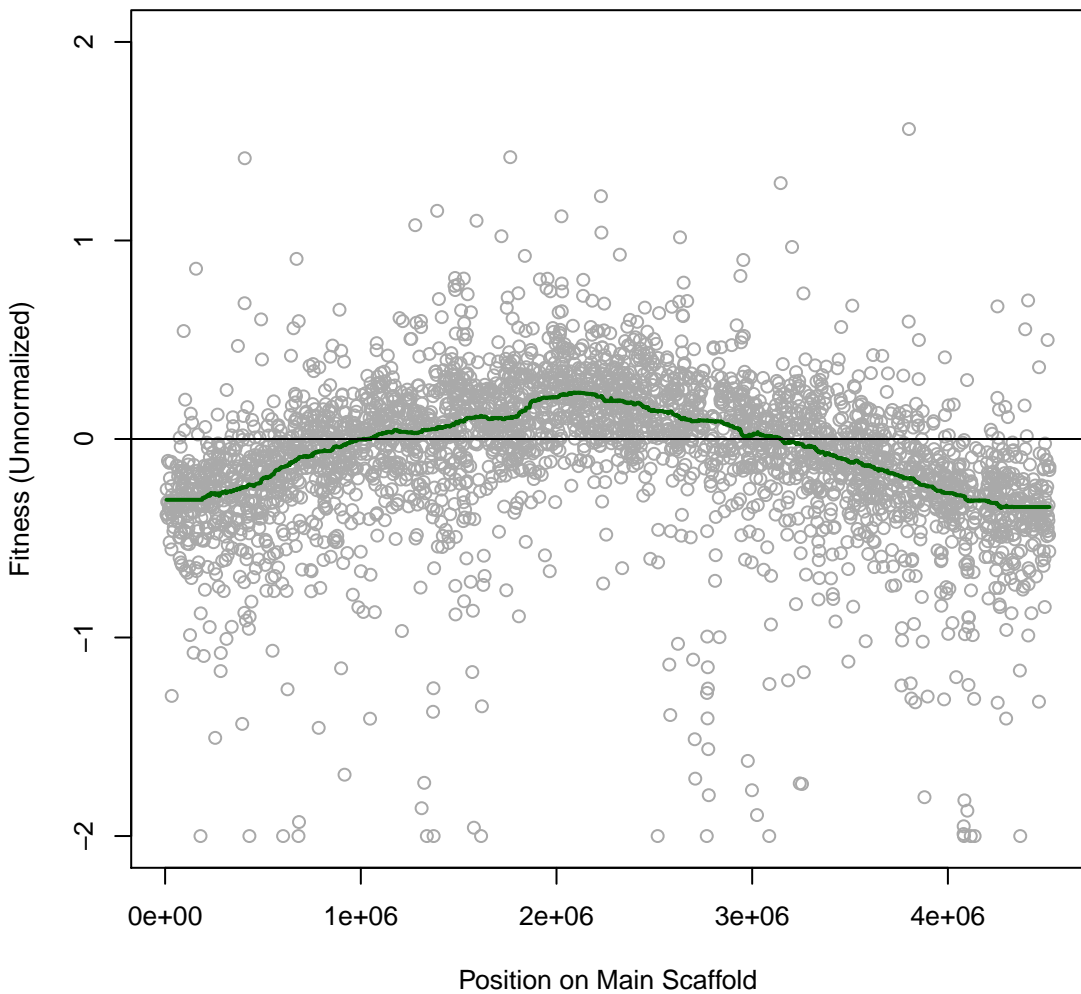
**Cup4G11 3IT031 #127 (gMed=196 rho12=0.098)**  
**LB 23C**



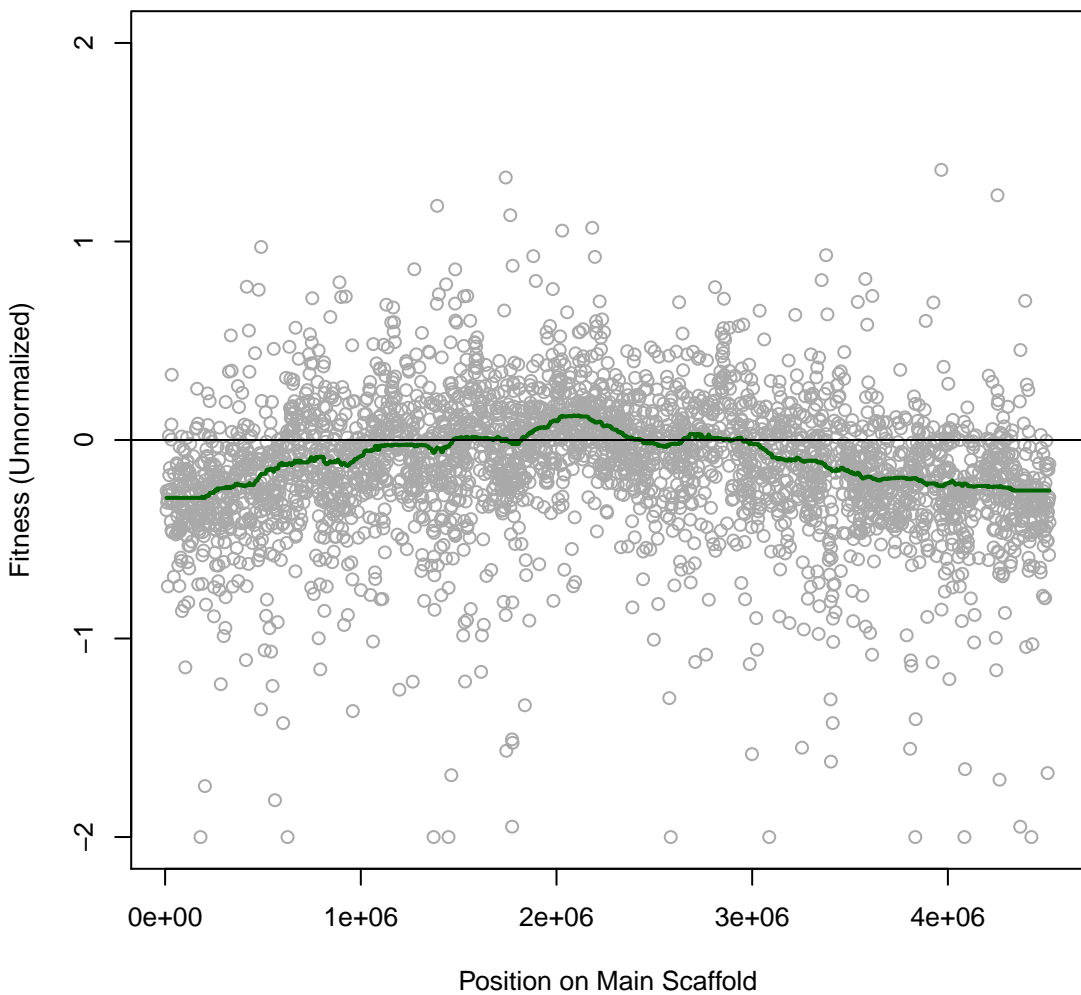
**Cup4G11 3IT032 #128 (gMed=179 rho12=0.065)**  
**LB 23C**



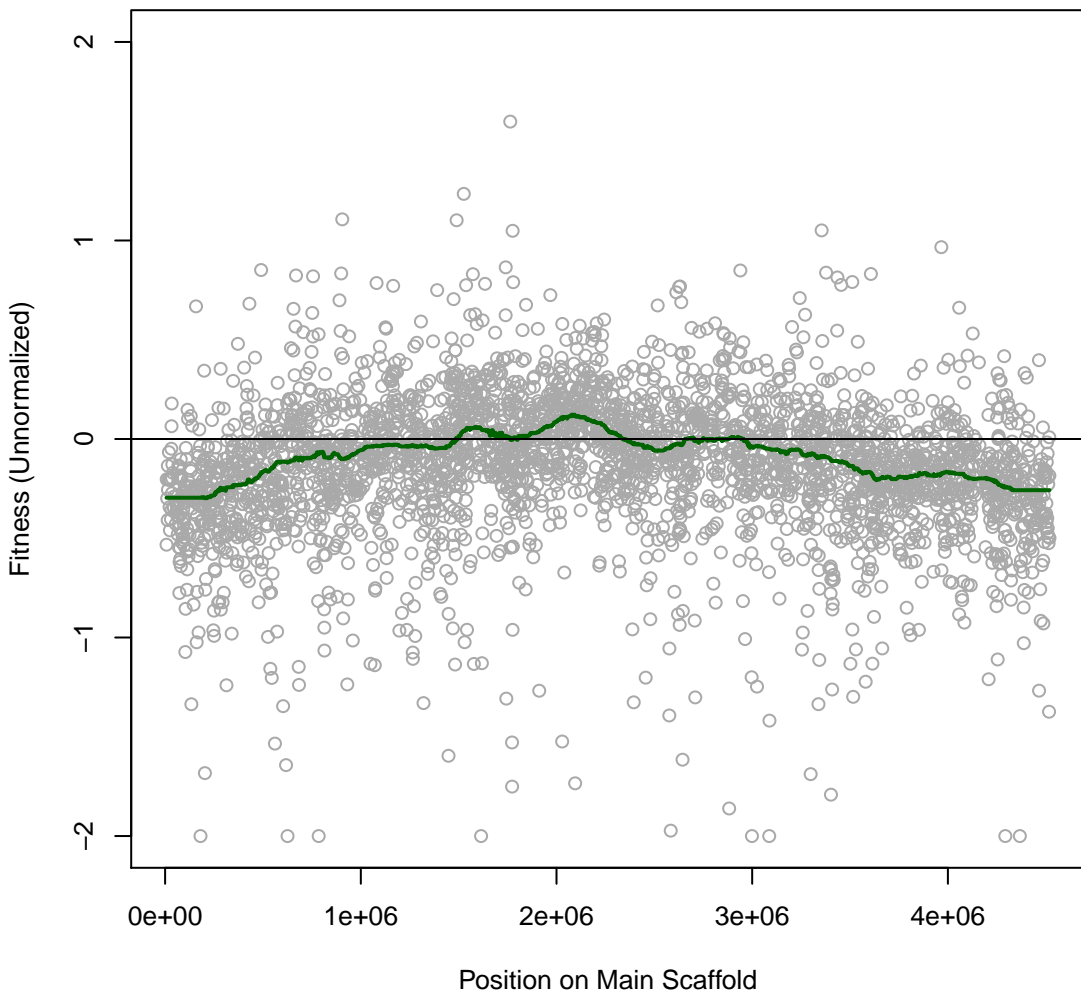
**Cup4G11 3IT033 #129 (gMed=144 rho12=0.086)**  
**LB 30C**



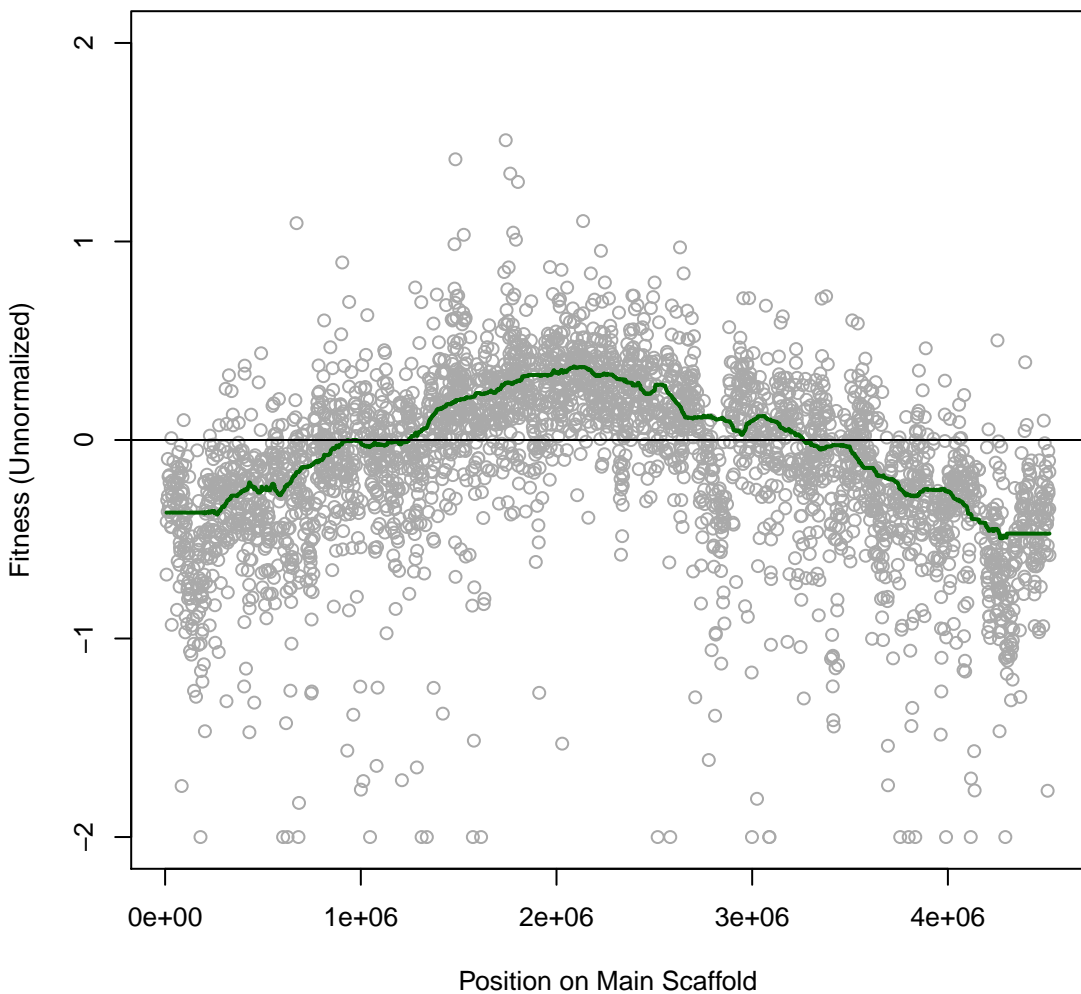
**Cup4G11 3IT034 #130 (gMed=165 rho12=0.061)**  
**LB 37C**



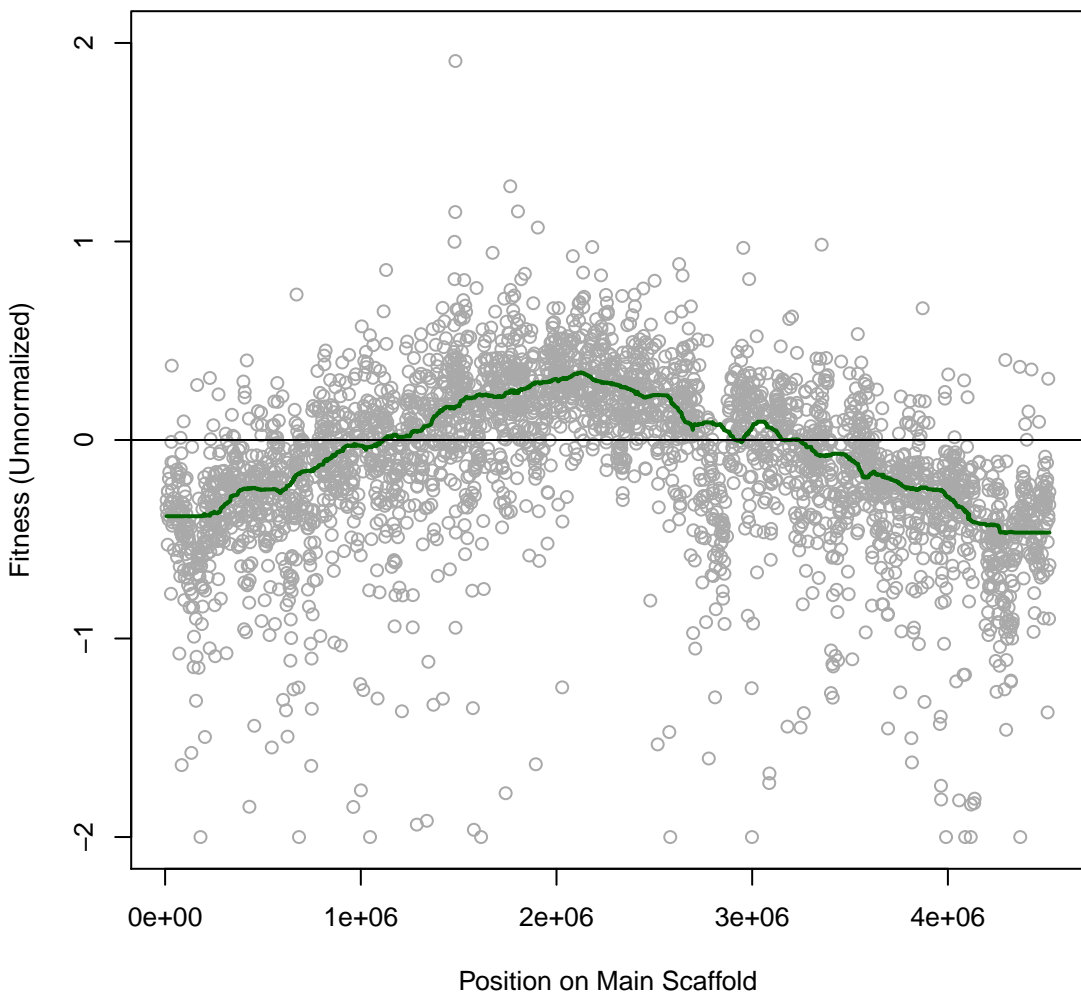
**Cup4G11 3IT035 #131 (gMed=179 rho12=0.058)**  
**LB 37C**



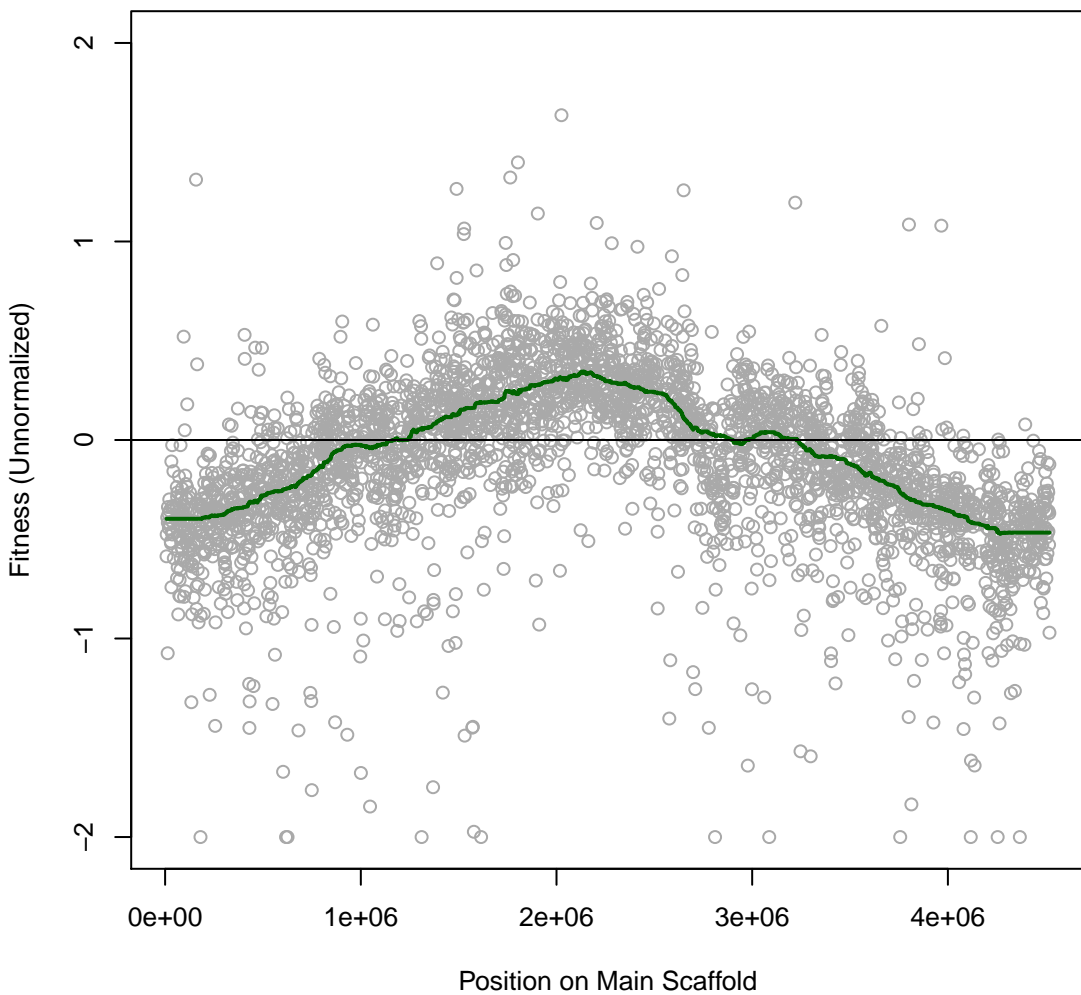
**Cup4G11 3IT036 #132 (gMed=175 rho12=0.222)**  
**R2A 23C**



**Cup4G11 3IT037 #133 (gMed=185 rho12=0.200)**  
**R2A 23C**

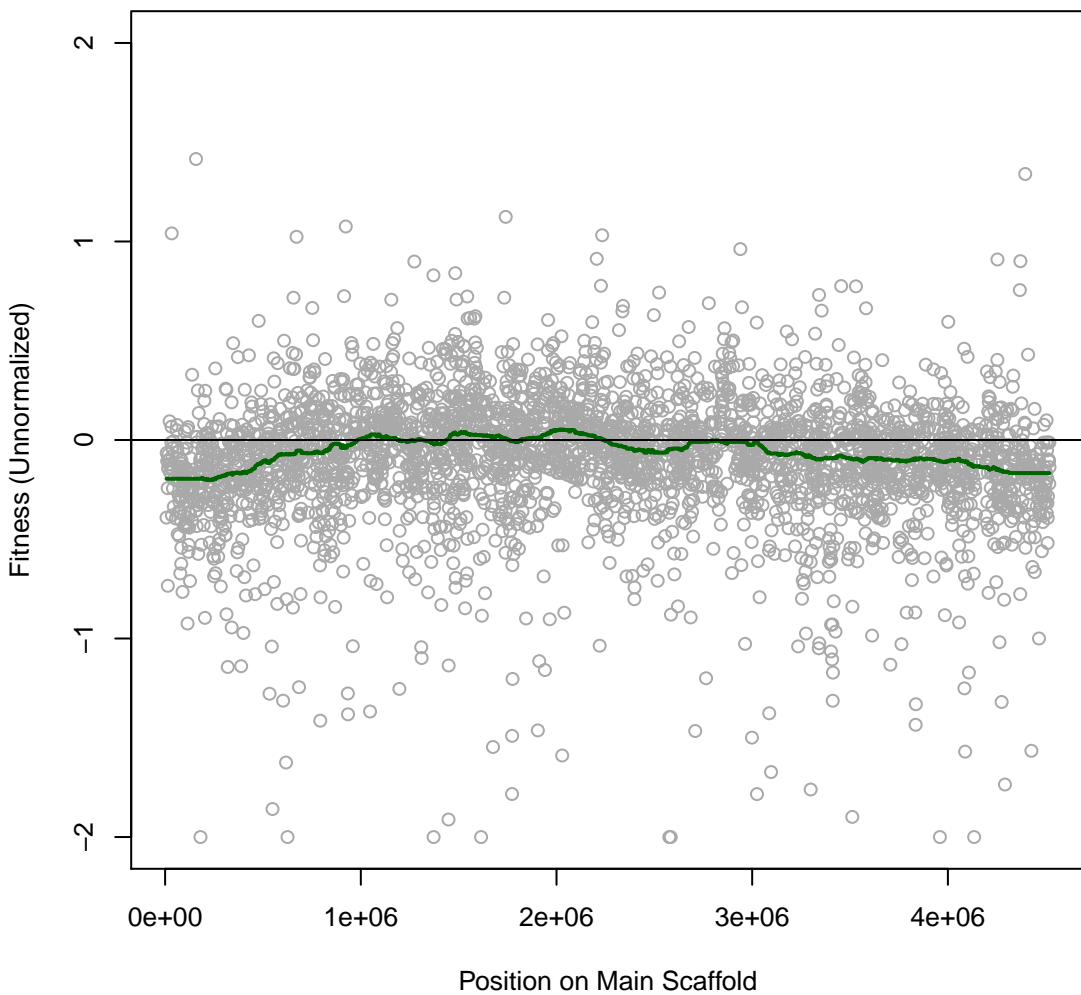


**Cup4G11 3IT038 #134 (gMed=207 rho12=0.095)**  
**R2A 30C**

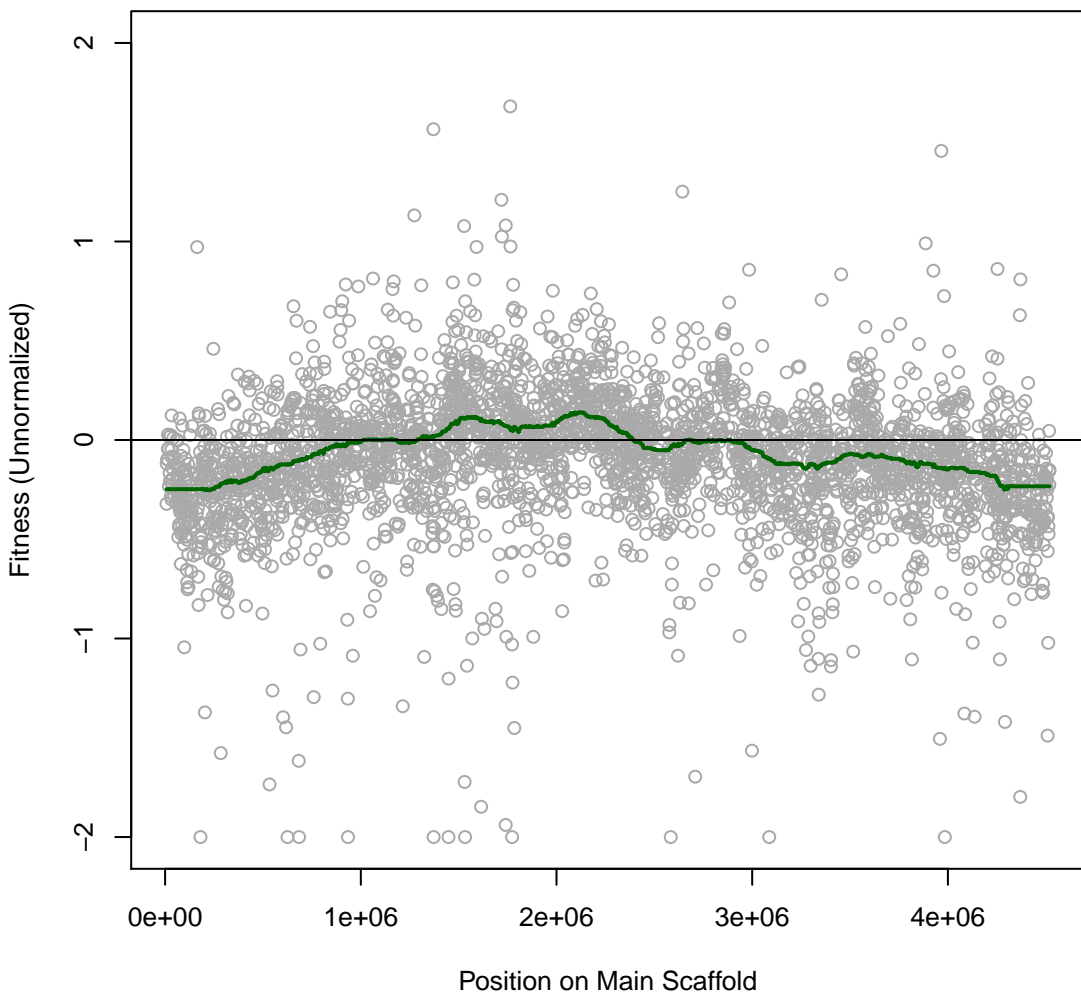




**Cup4G11 3IT039 #135 (gMed=189 rho12=0.088)**  
**R2A 37C**

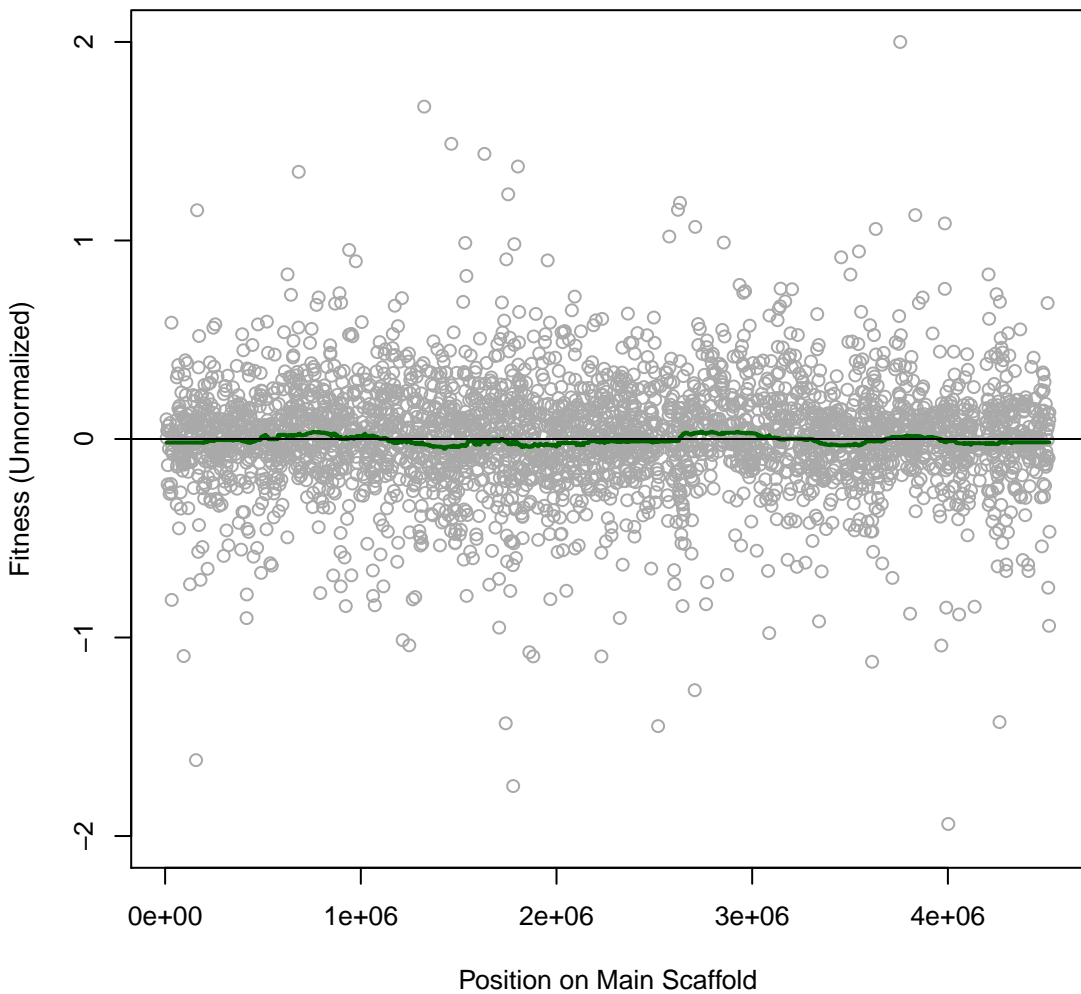


**Cup4G11 3IT040 #136 (gMed=208 rho12=0.153)**  
**R2A 37C**

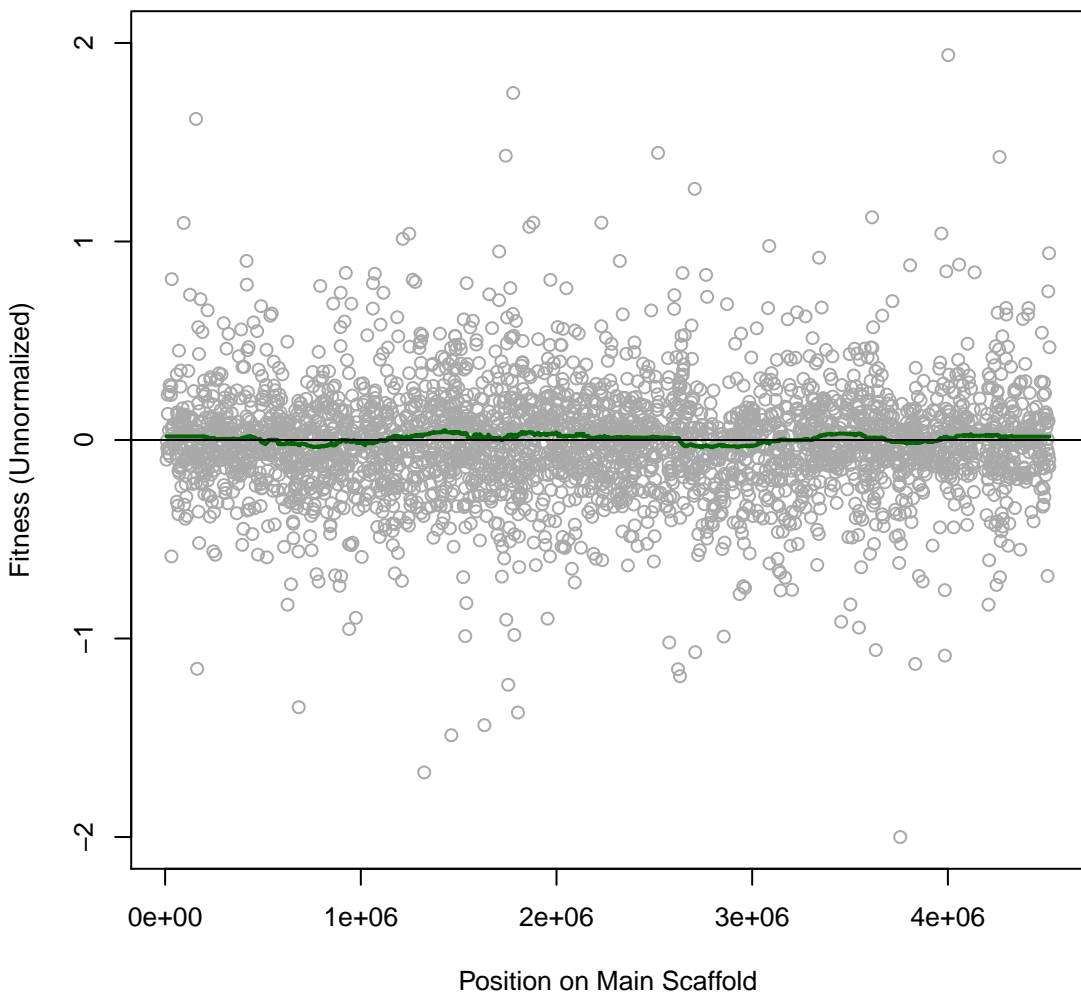


**Cup4G11 3IT041 #137 (gMed=188 rho12=-0.016)**

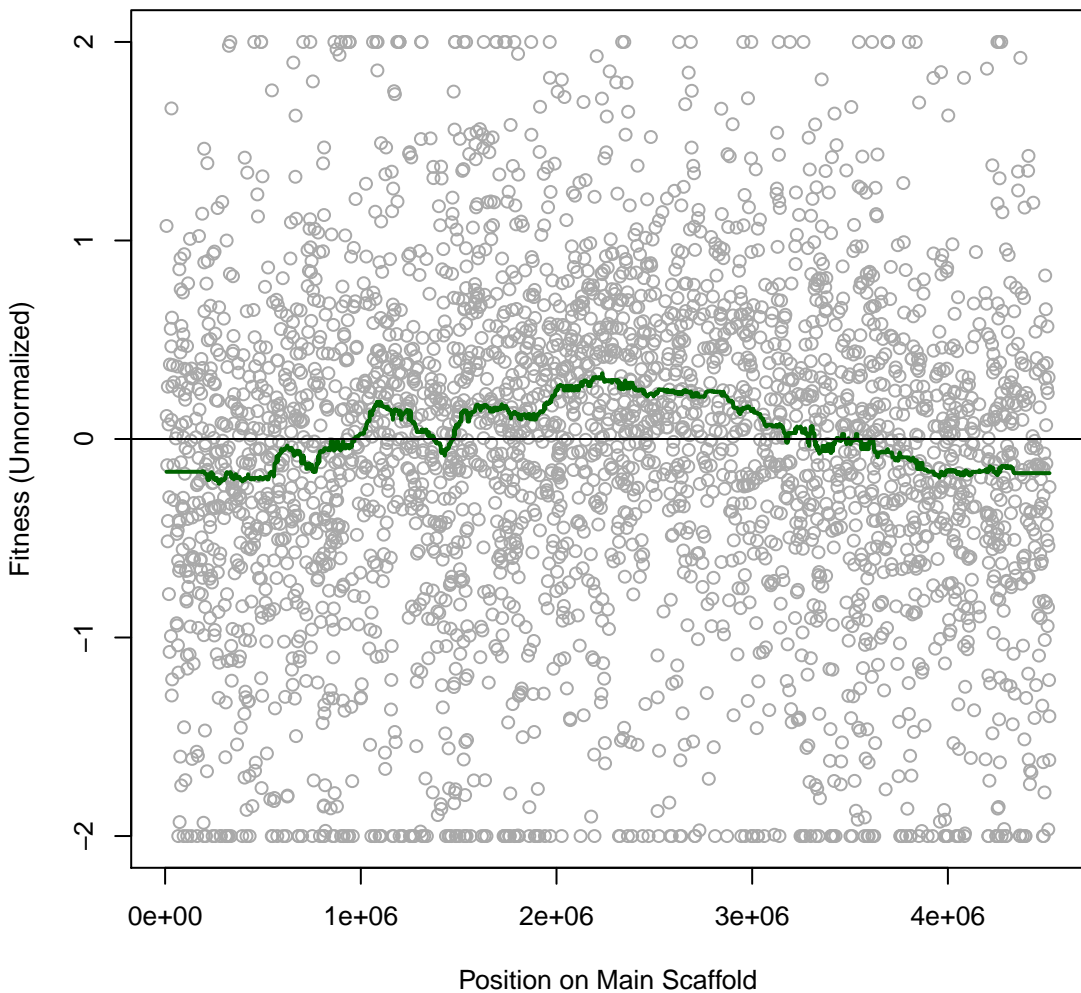
**Time0**



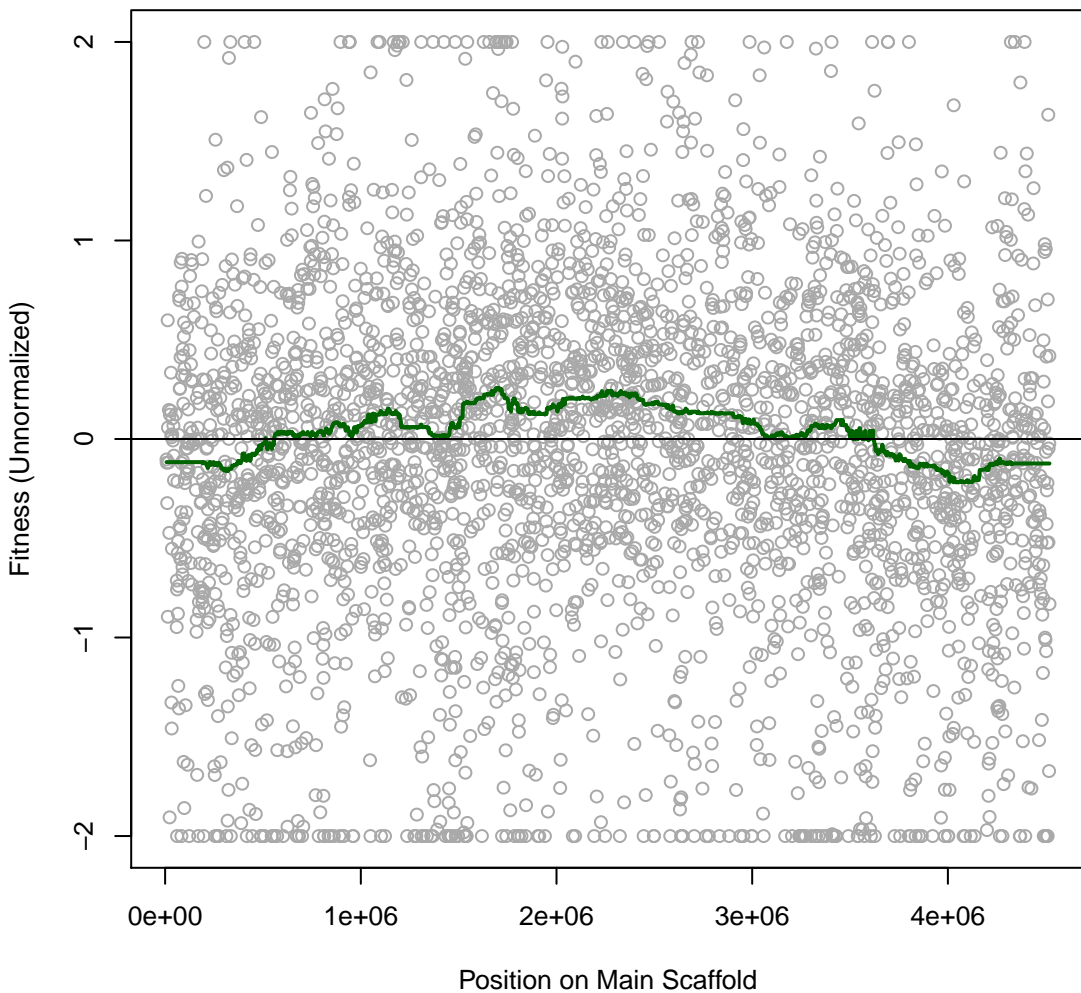
**Cup4G11 3IT042 #138 (gMed=174 rho12=-0.016)**  
**Time0**



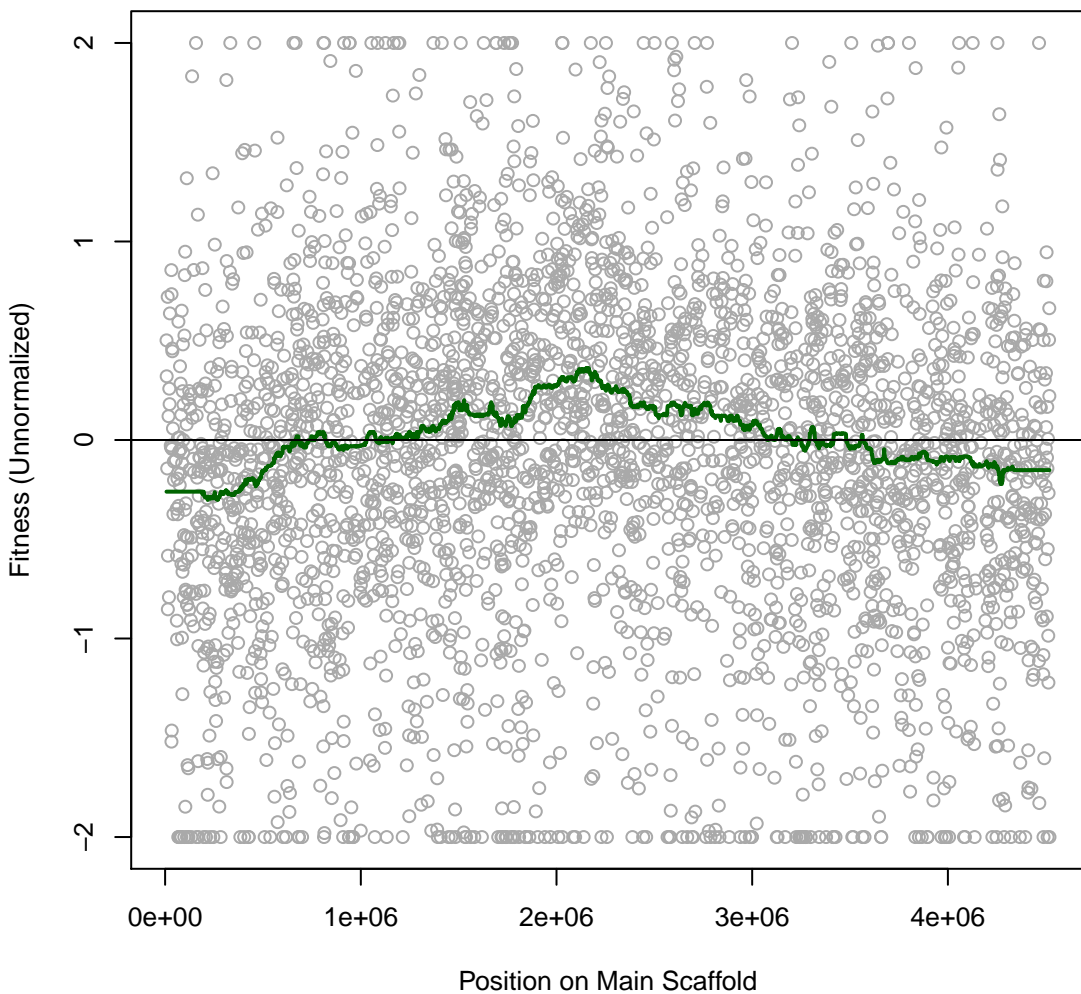
**Cup4G11 3IT043 #139 (gMed=53 rho12=0.053)**  
**inner cut, LB soft agar motility assay**



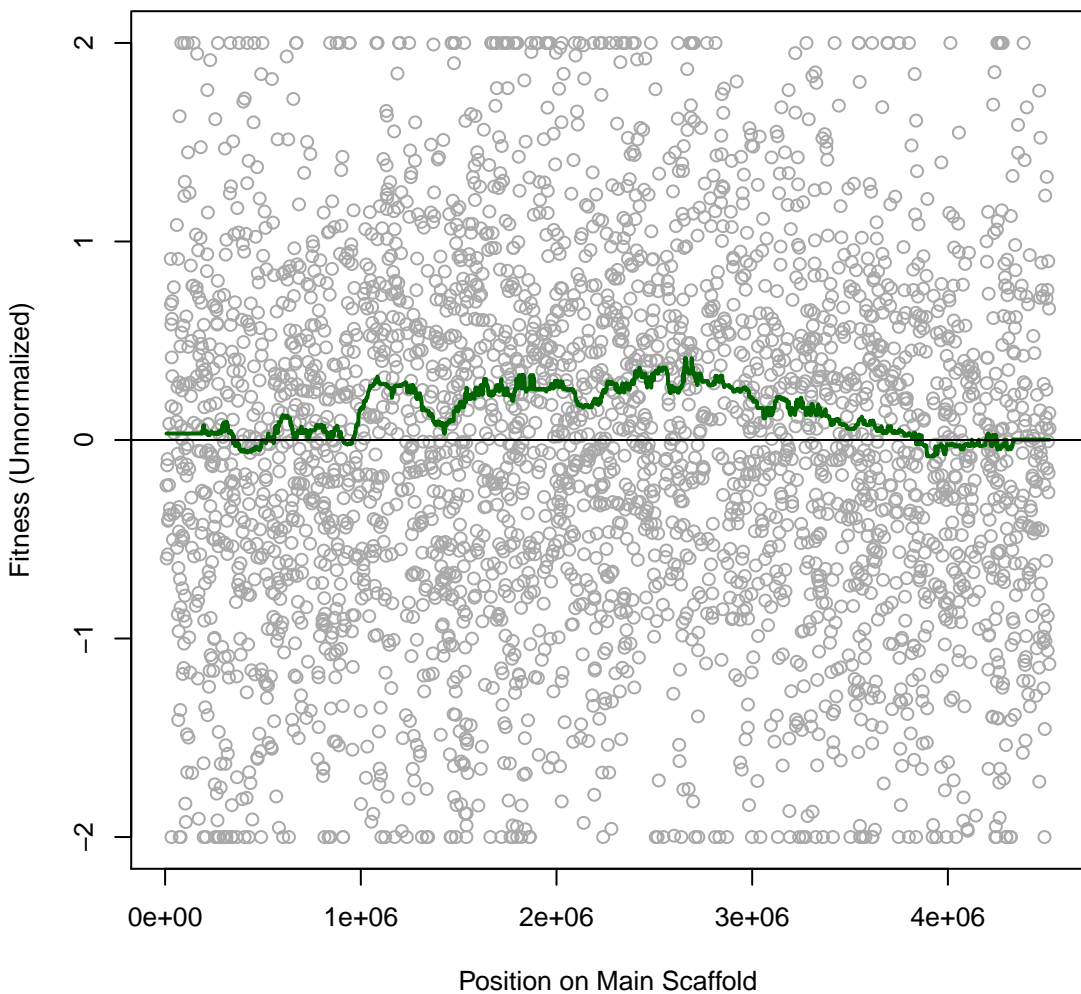
**Cup4G11 3IT044 #140 (gMed=72 rho12=0.052)**  
**inner cut, LB soft agar motility assay**



**Cup4G11 3IT045 #141 (gMed=69 rho12=0.070)**  
**inner cut, LB soft agar motility assay**

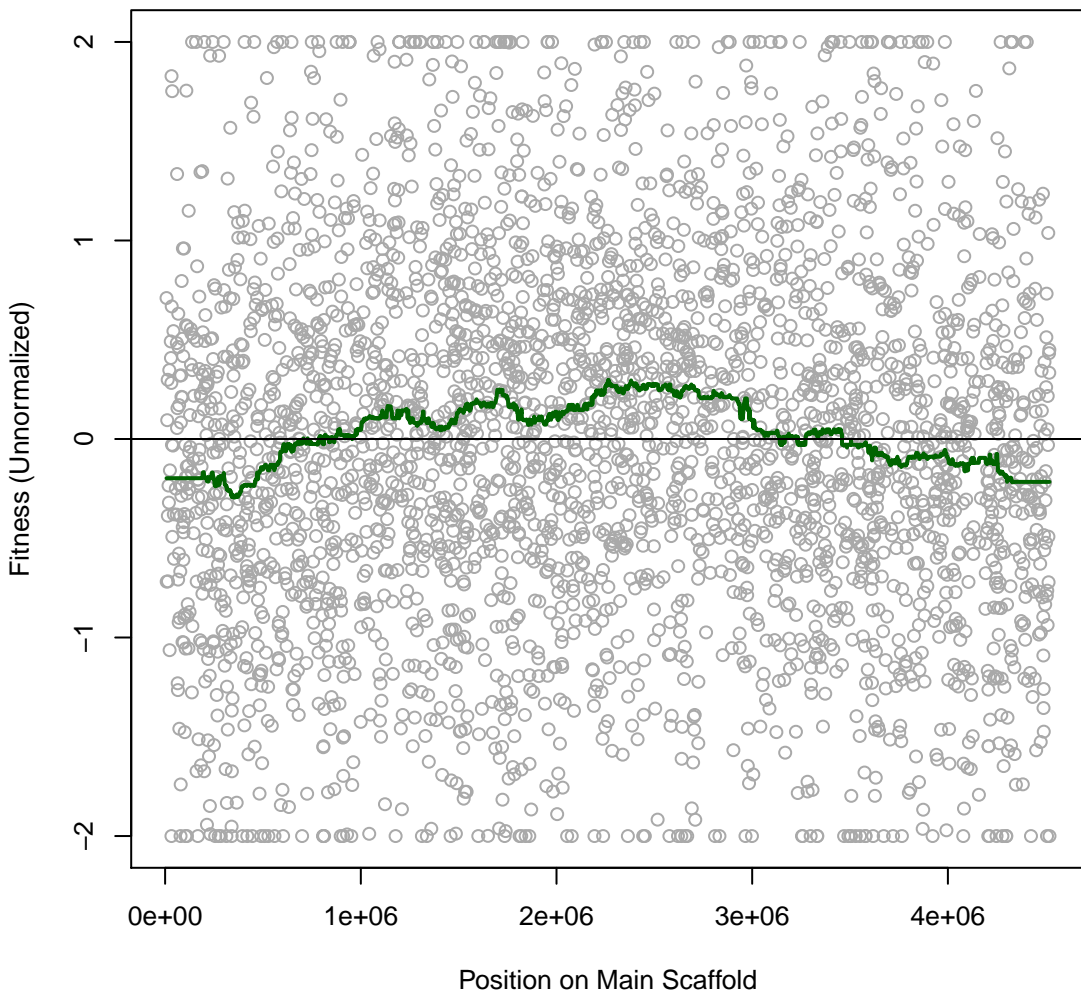


**Cup4G11 3IT046 #142 (gMed=10 rho12=0.058)**  
**outer cut, LB soft agar motility assay**

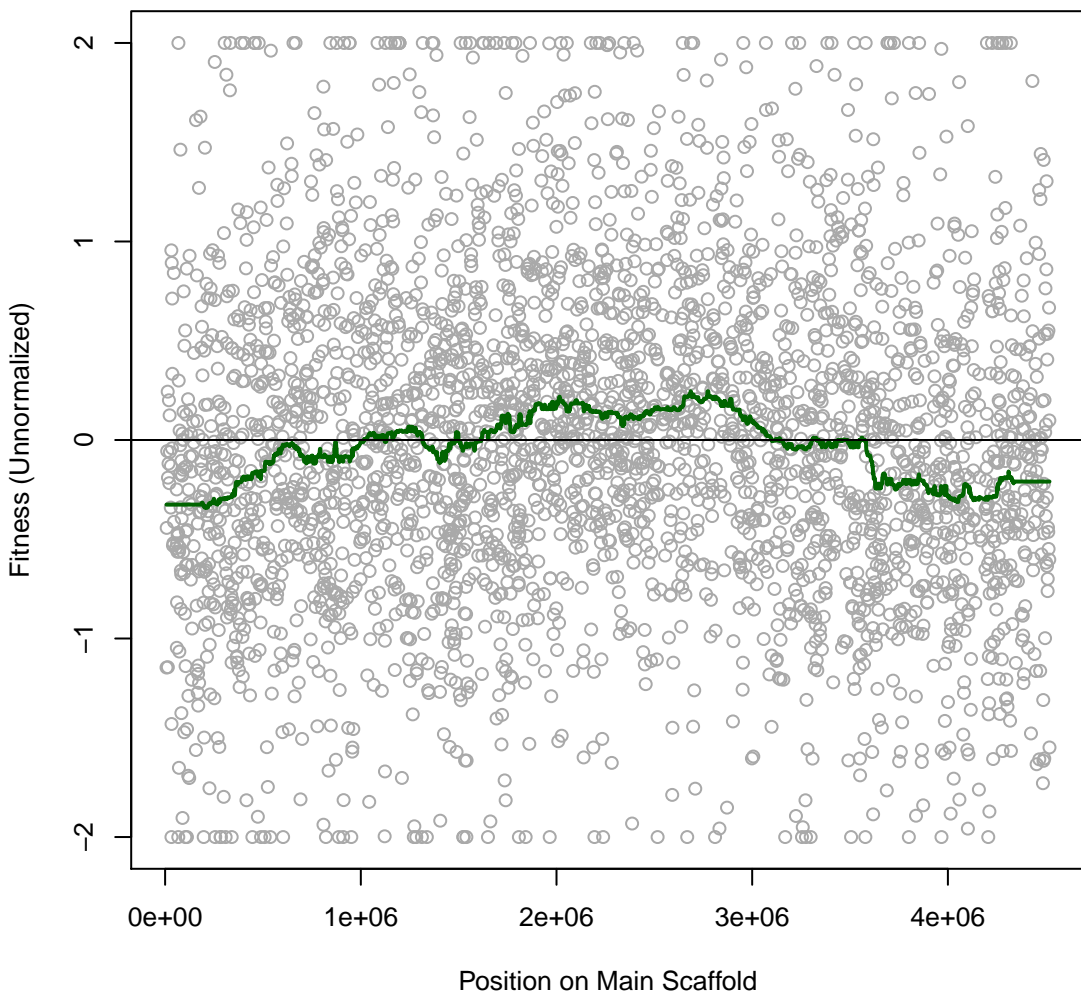




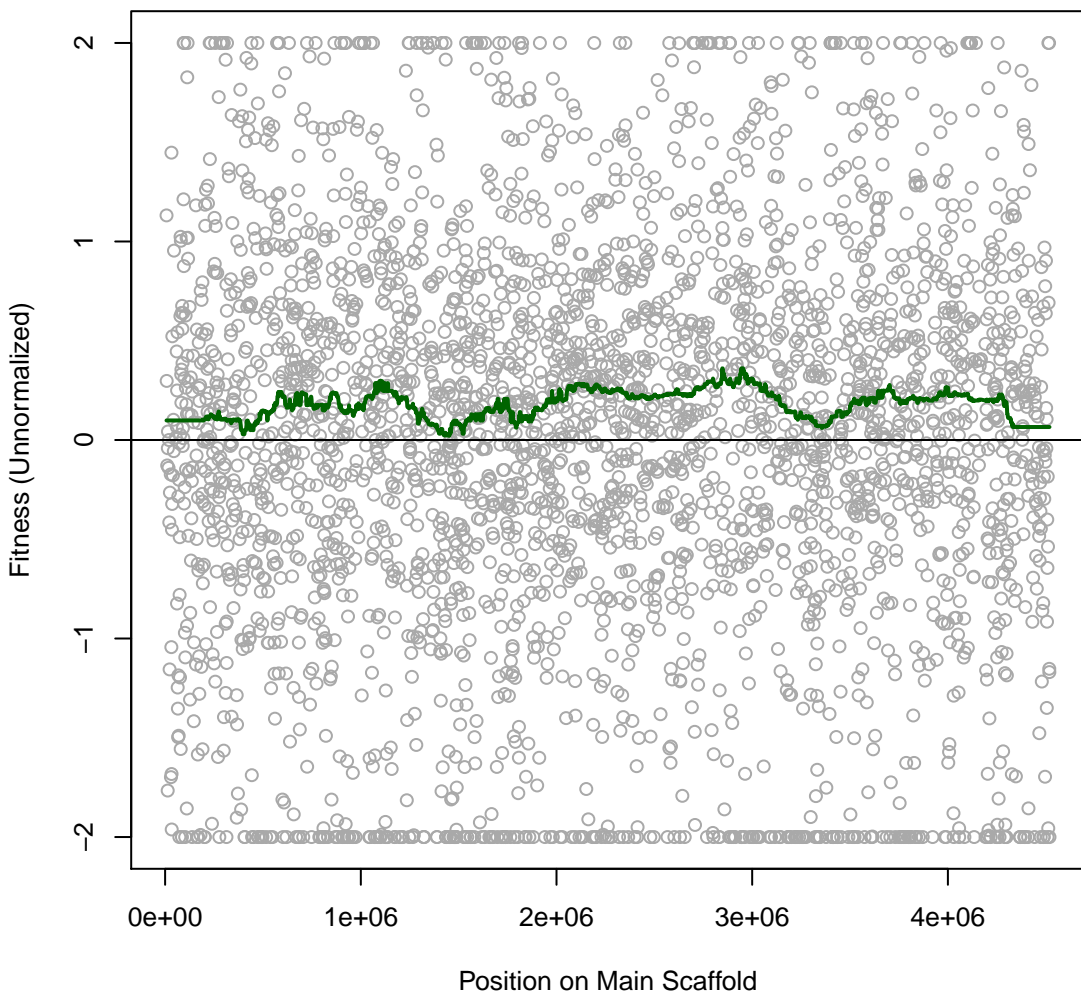
**Cup4G11 3IT047 #143 (gMed=10 rho12=0.057)**  
**outer cut, LB soft agar motility assay**



**Cup4G11 3IT048 #144 (gMed=10 rho12=0.065)**  
**outer cut, LB soft agar motility assay**

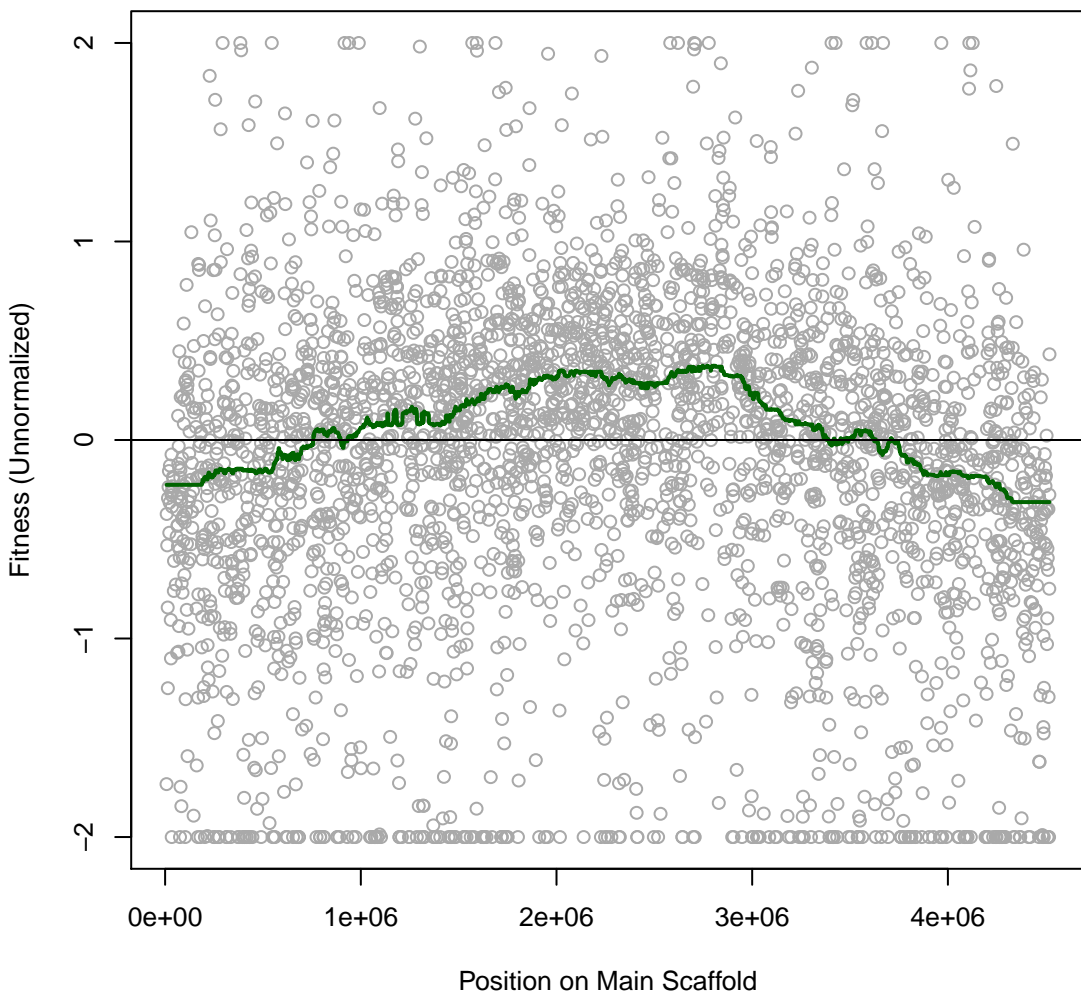


**Cup4G11 4IT049 #145 (gMed=161 rho12=0.098)**  
**Cobalt chloride 0.5 mM**



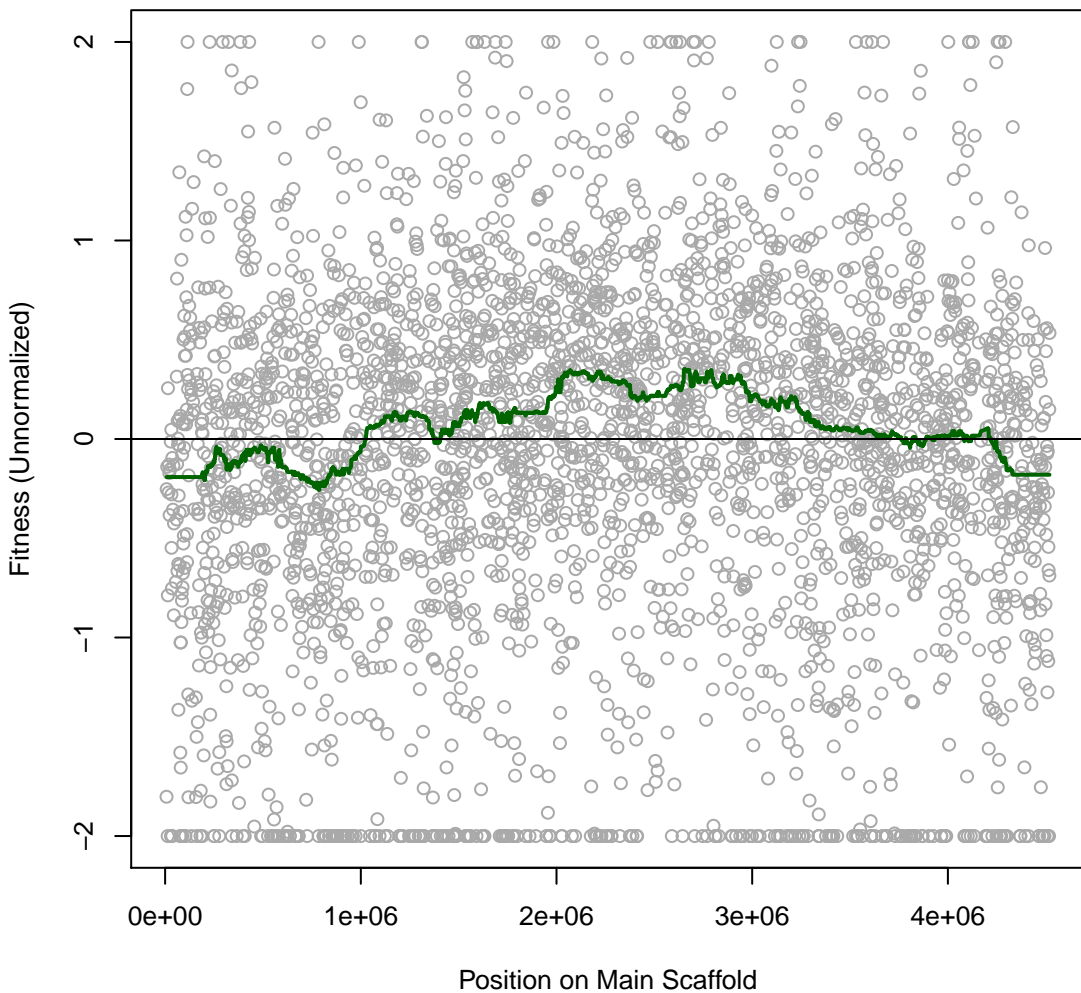
**Cup4G11 4IT050 #146 (gMed=202 rho12=0.119)**

**Paraquat dichloride 0.016 mg/ml**



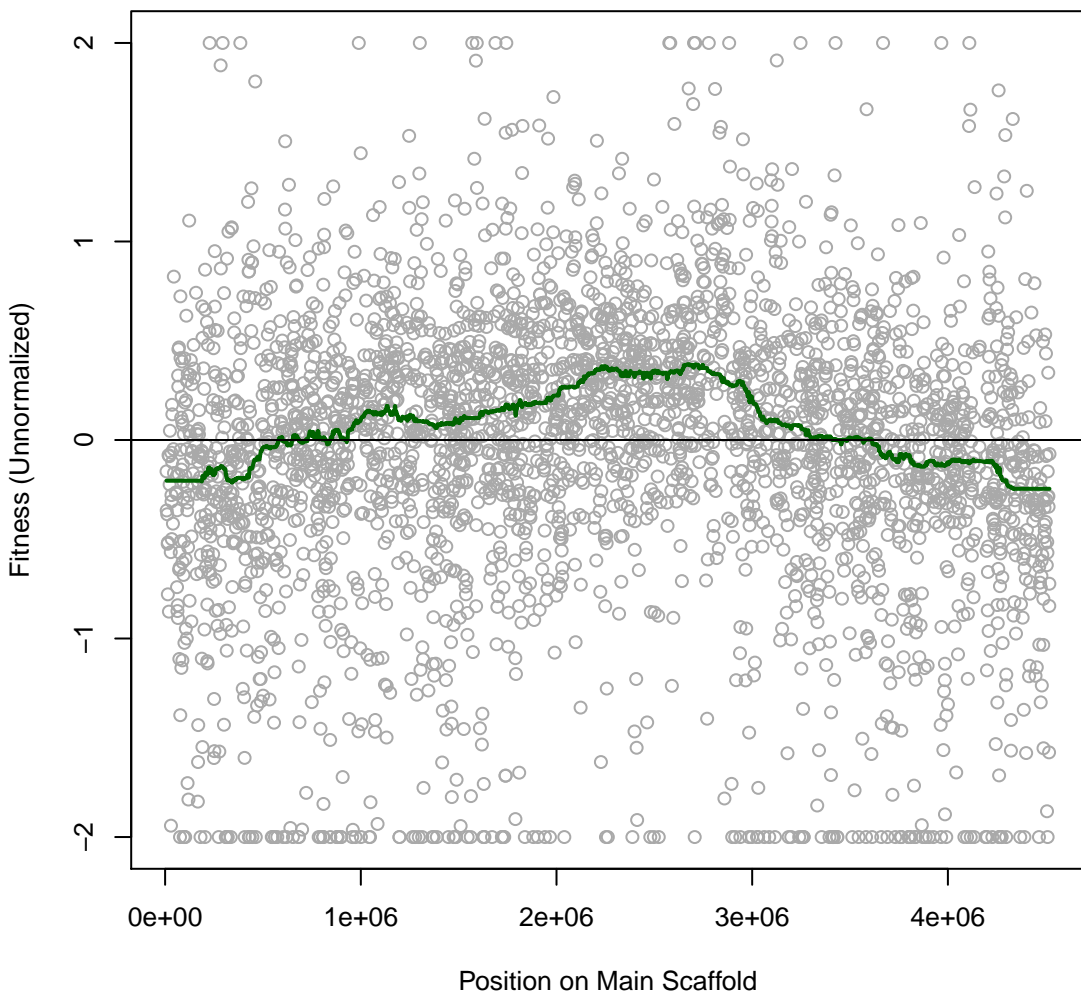
**Cup4G11 4IT051 #147 (gMed=216 rho12=0.141)**

**Paraquat dichloride 0.032 mg/ml**



**Cup4G11 4IT052 #148 (gMed=197 rho12=0.138)**

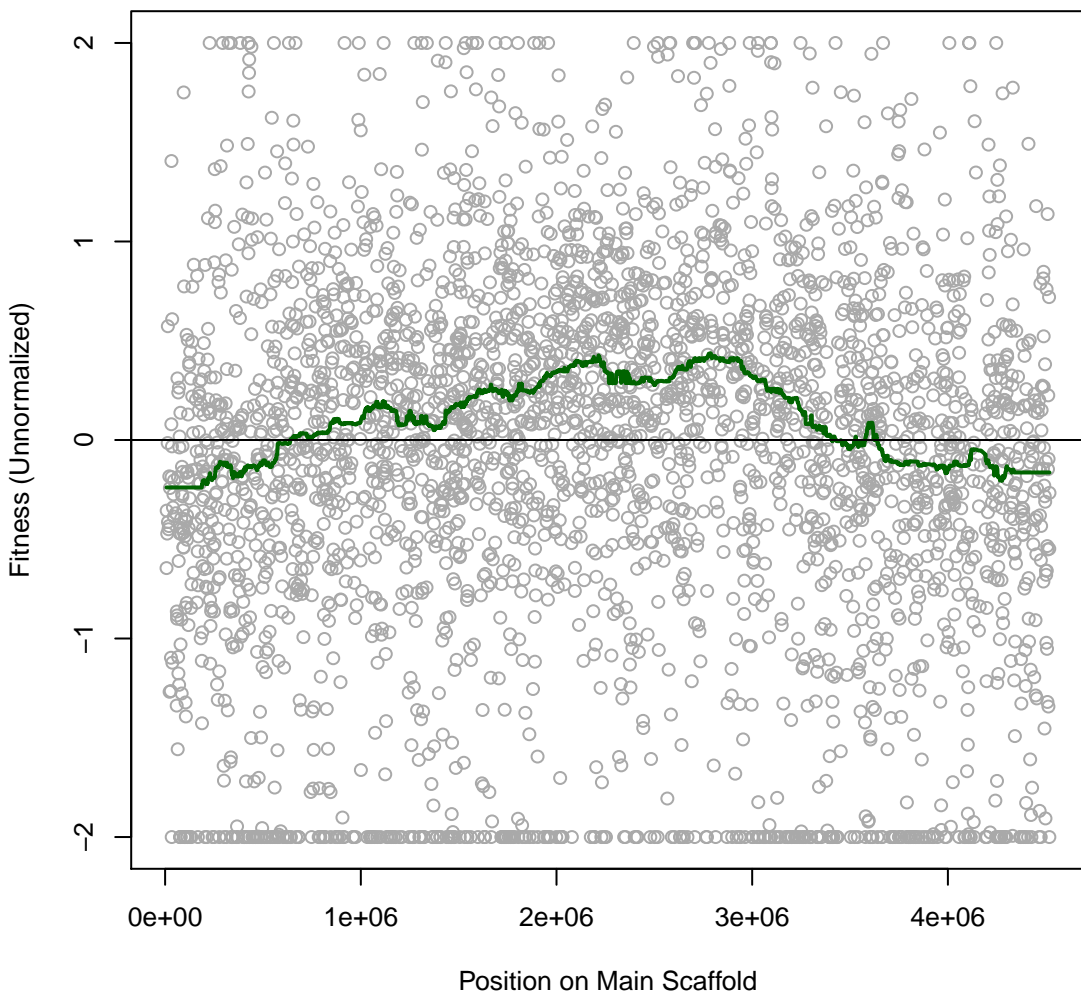
**Thallium(I) acetate 0.001 mg/ml**



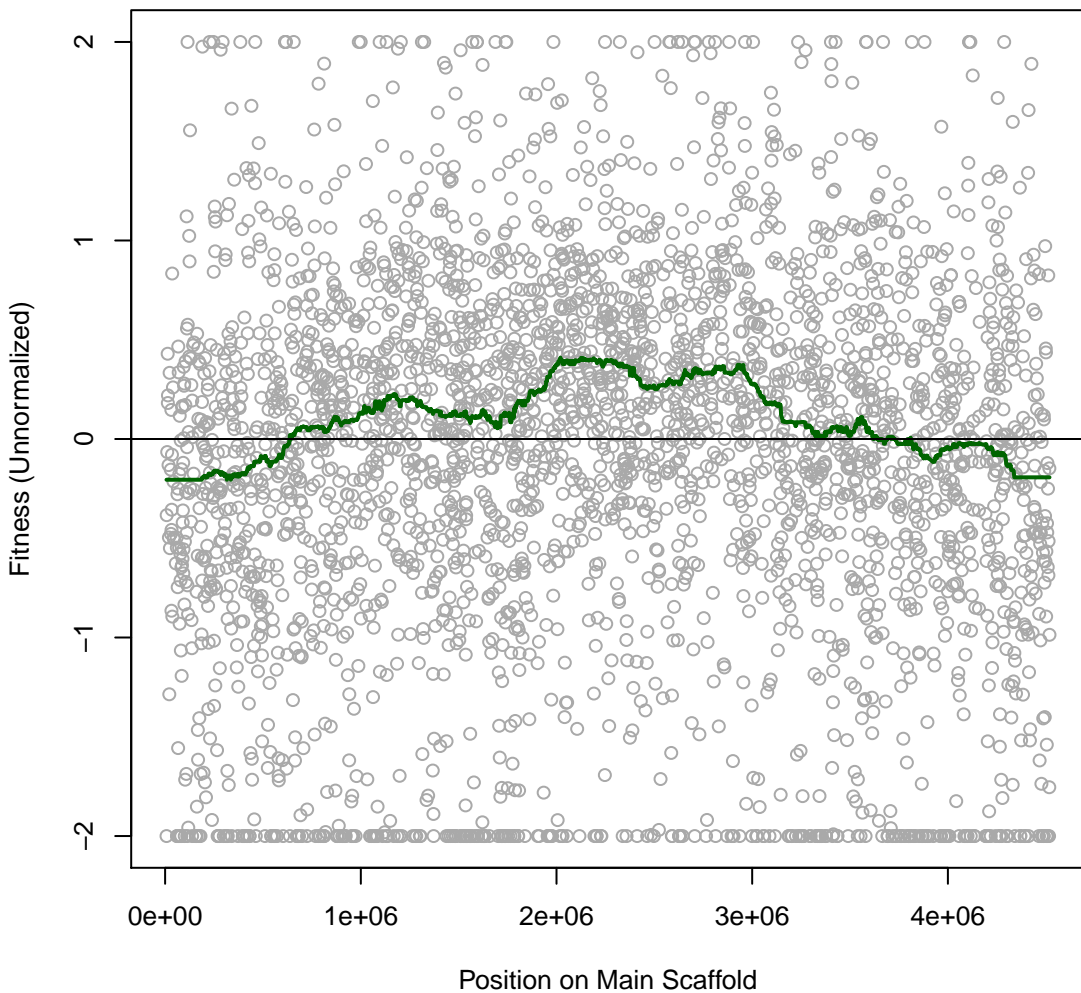


**Cup4G11 4IT053 #149 (gMed=191 rho12=0.131)**

**Thallium(I) acetate 0.0025 mg/ml**

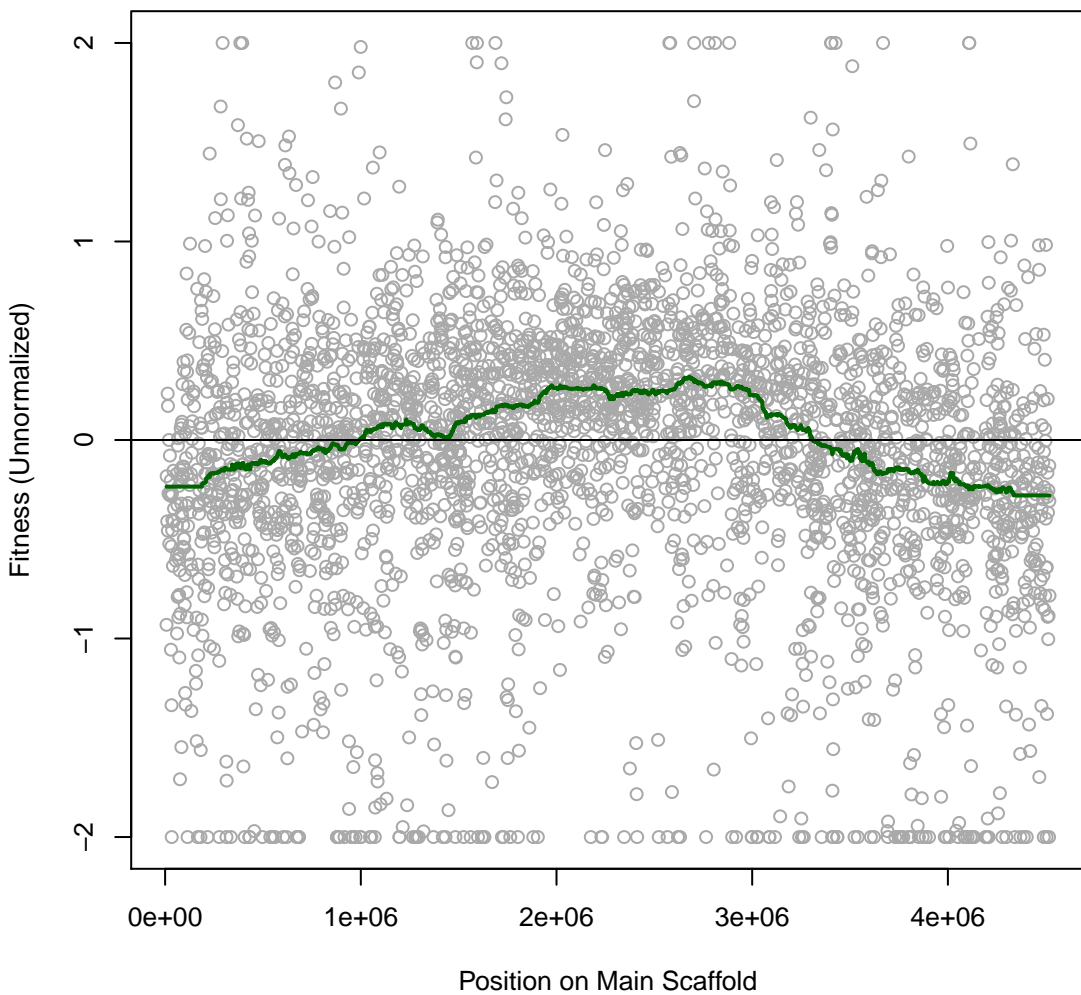


**Cup4G11 4IT054 #150 (gMed=235 rho12=0.125)**  
**Zinc 0.1 mM**

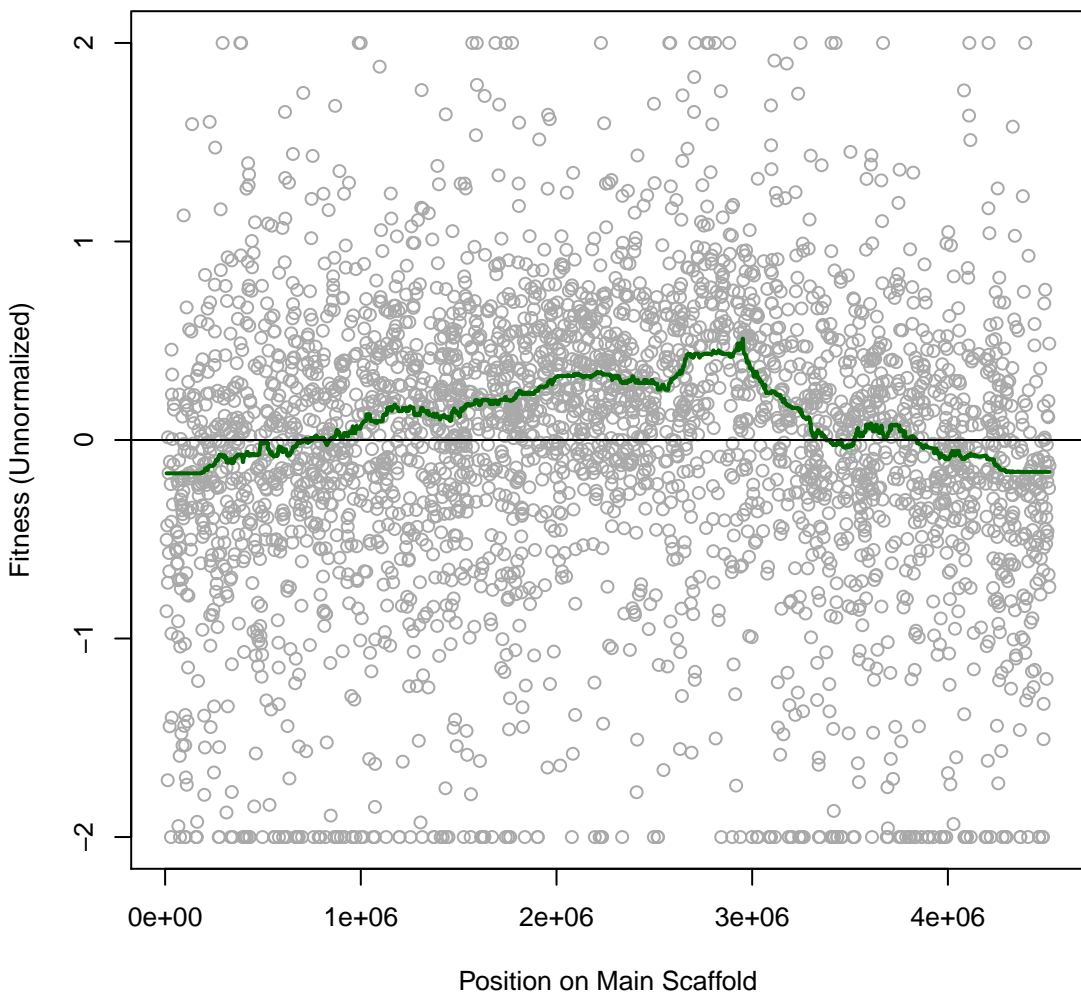




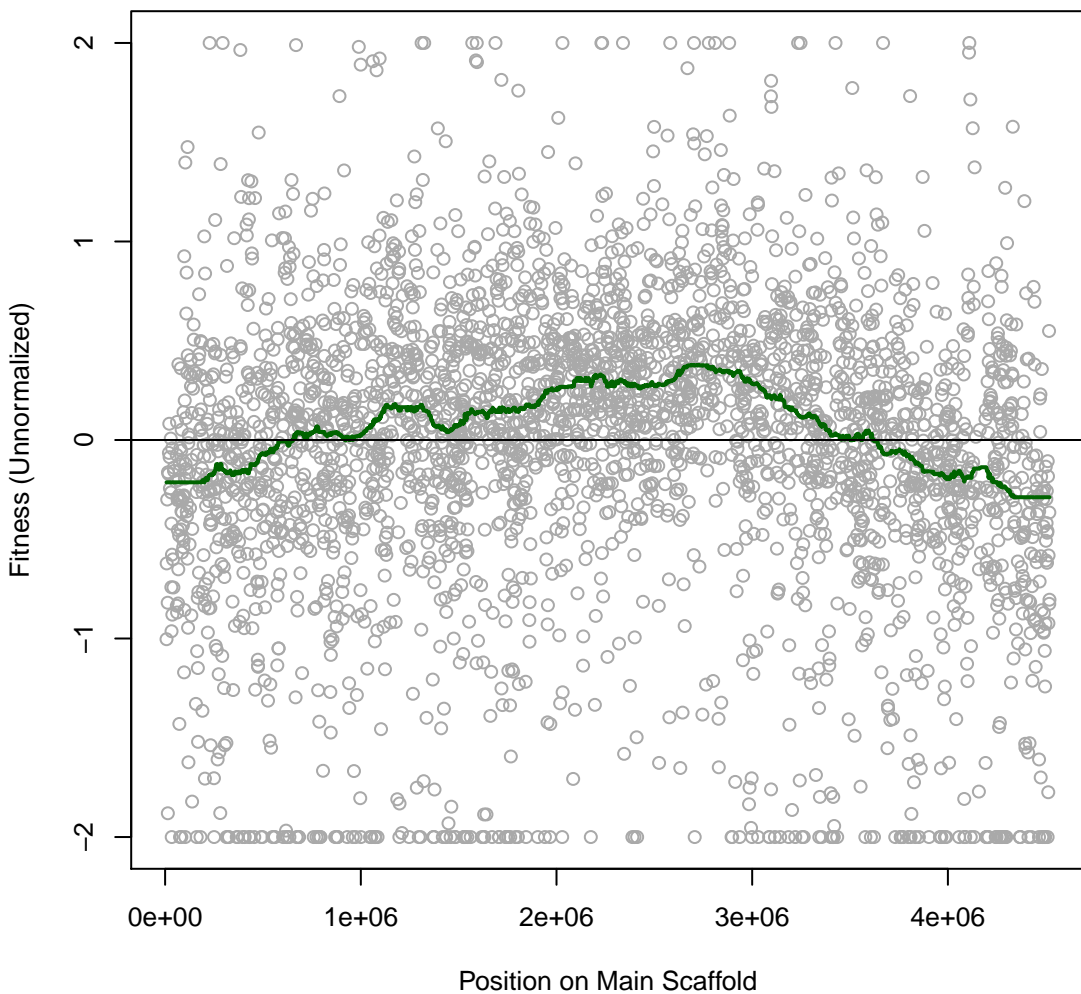
**Cup4G11 4IT055 #151 (gMed=239 rho12=0.168)**  
**LB**



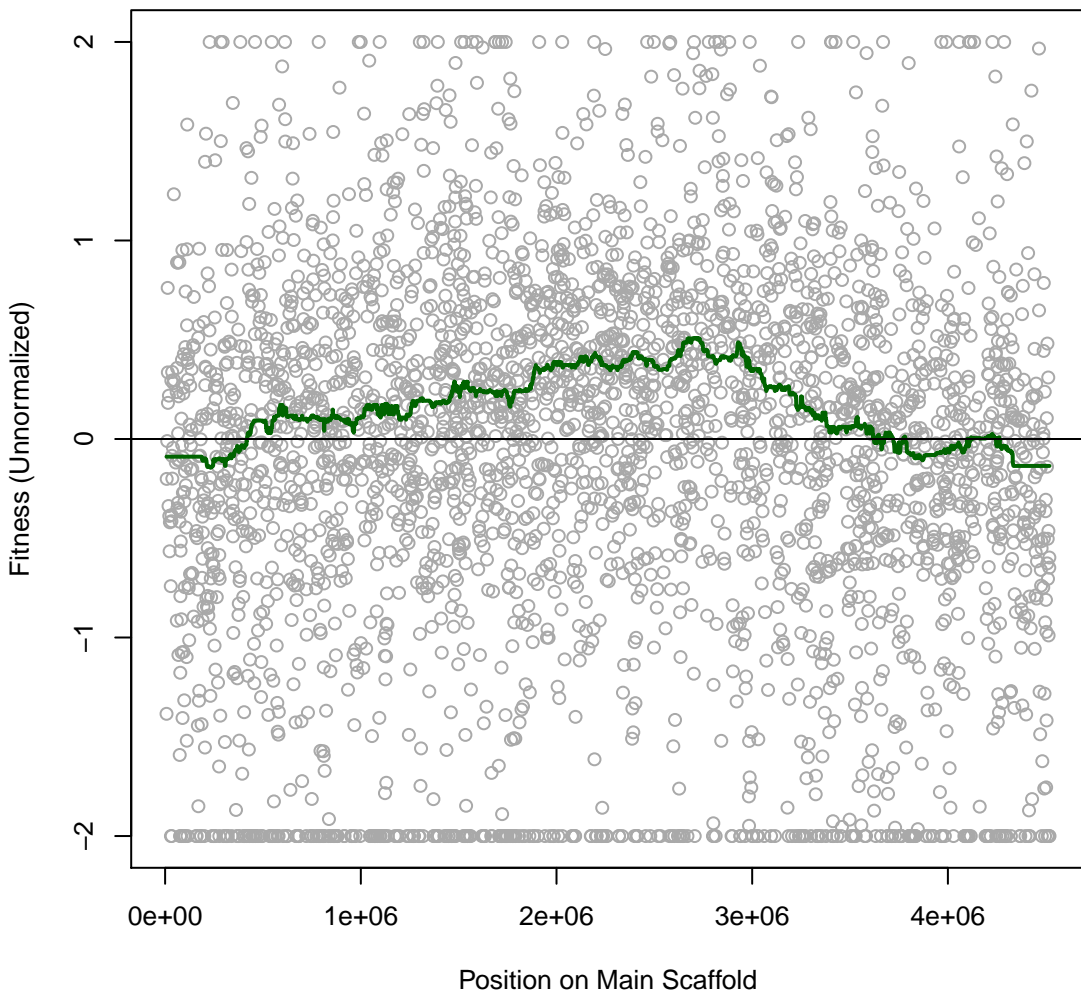
**Cup4G11 4IT056 #152 (gMed=242 rho12=0.168)**  
**Sisomicin 0.025 mg/ml**



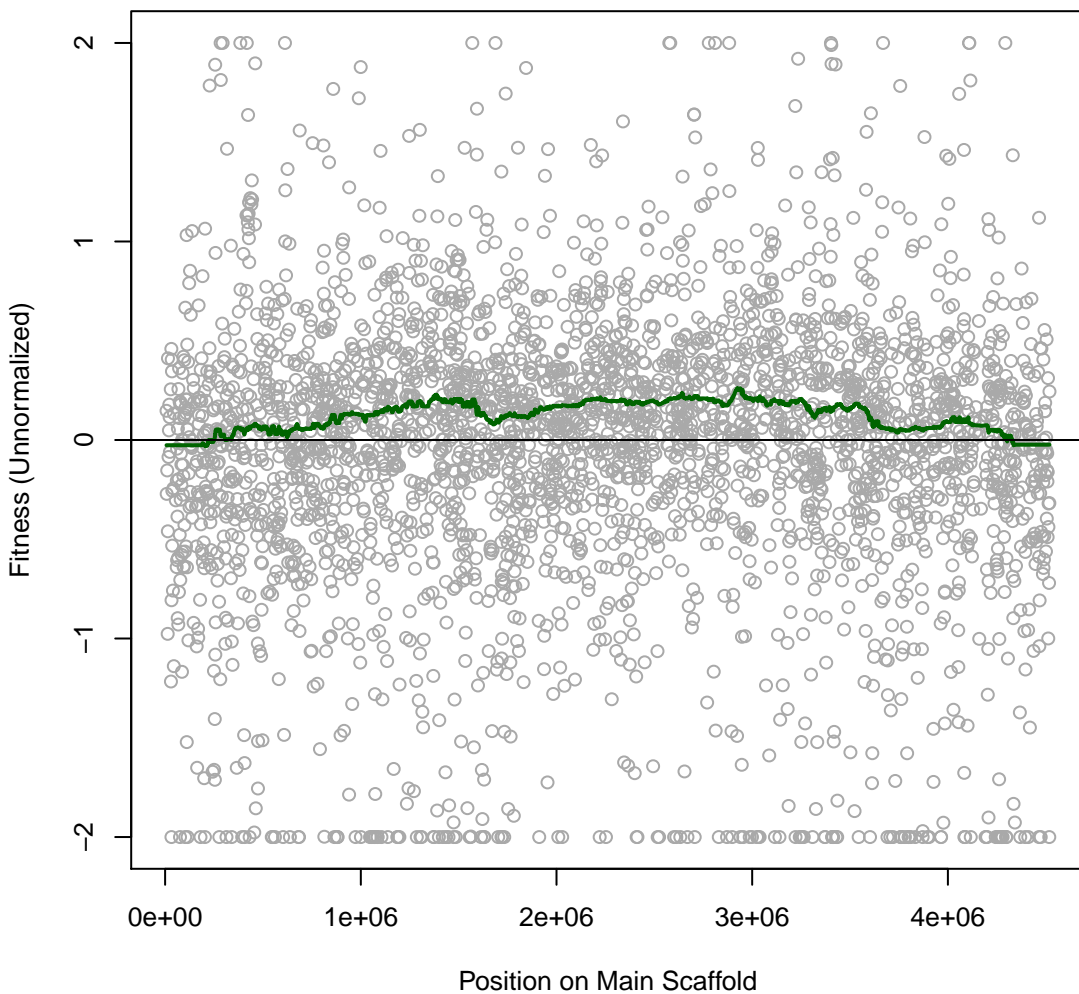
**Cup4G11 4IT057 #153 (gMed=200 rho12=0.162)**  
**Sisomicin 0.035 mg/ml**



**Cup4G11 4IT058 #154 (gMed=225 rho12=0.115)**  
**Chlorate 40 mM**

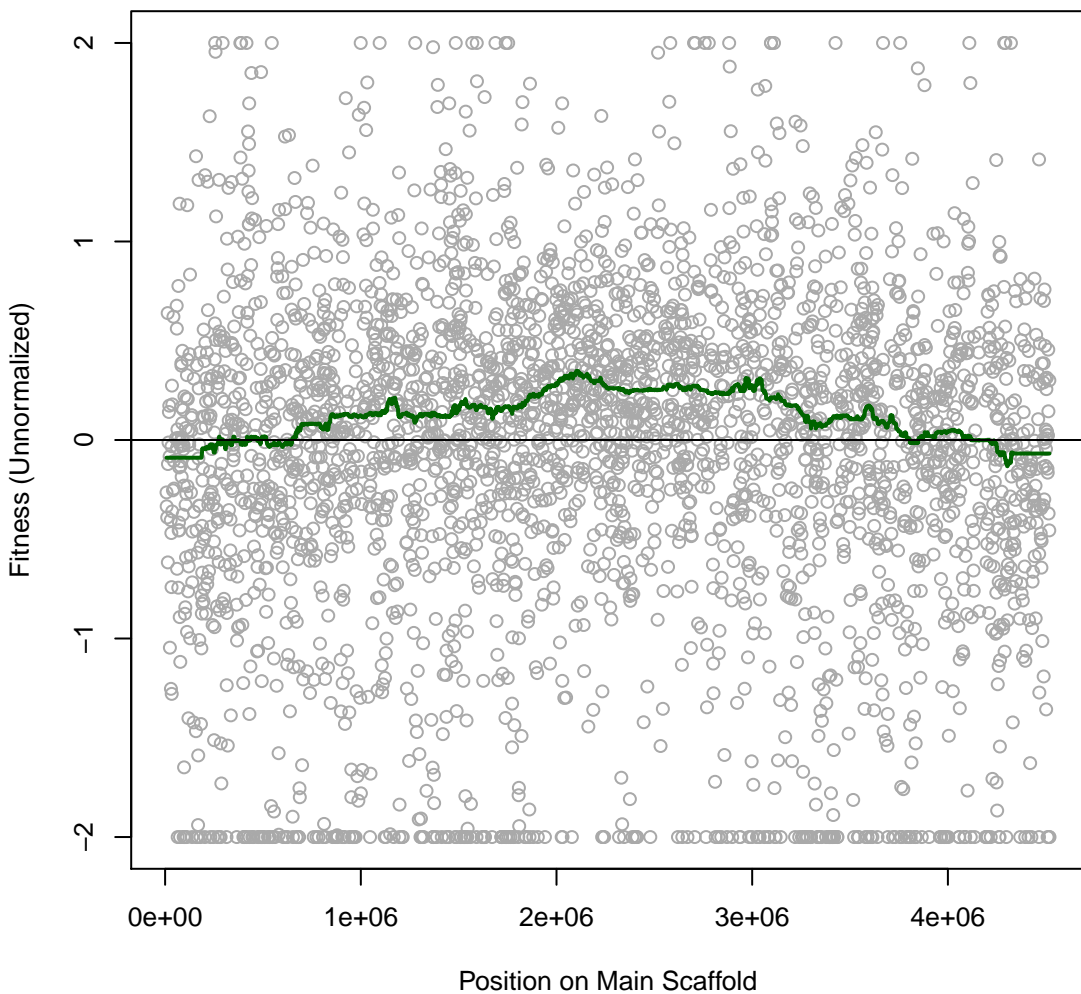


**Cup4G11 4IT059 #155 (gMed=225 rho12=0.130)**  
**Chlorite 0.5 mM**



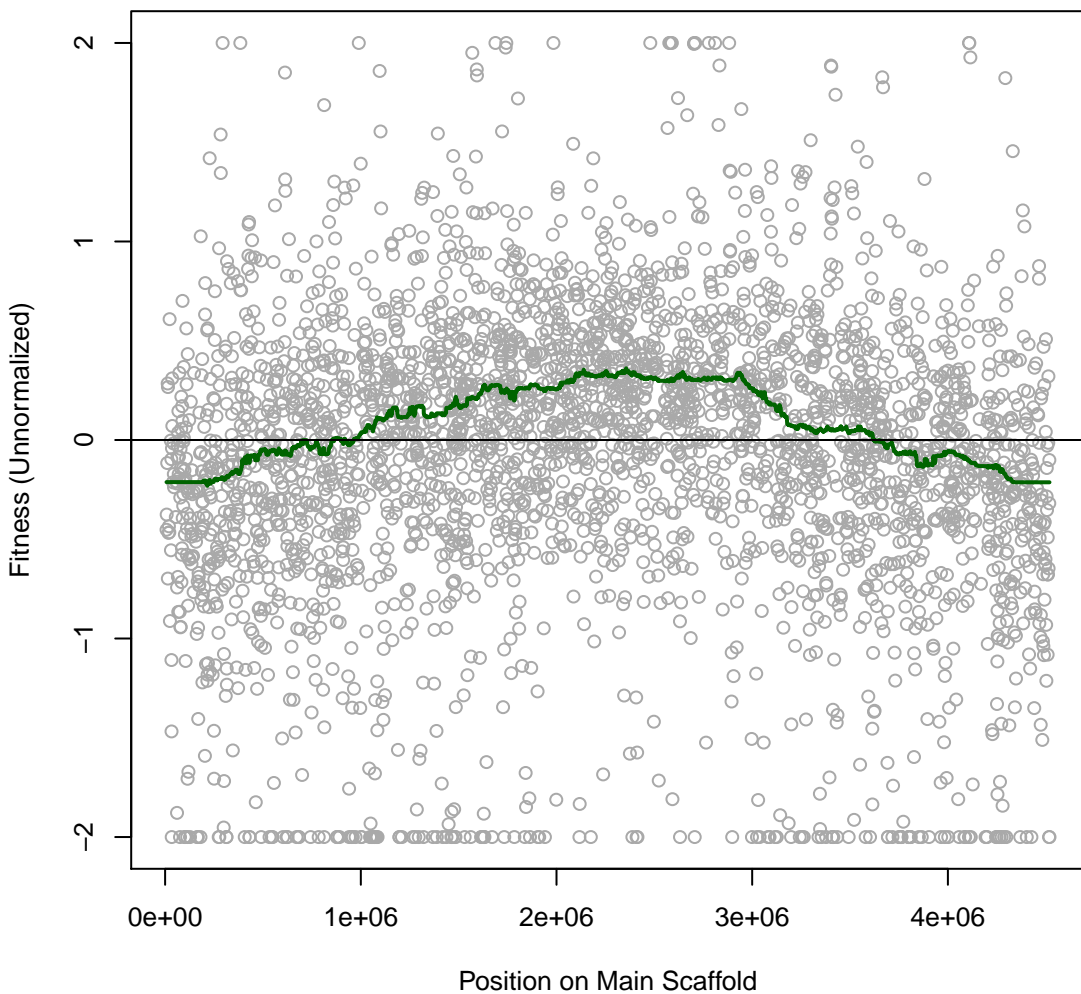
**Cup4G11 4IT060 #156 (gMed=198 rho12=0.133)**

**Polymyxin B sulfate 0.001 mg/ml**

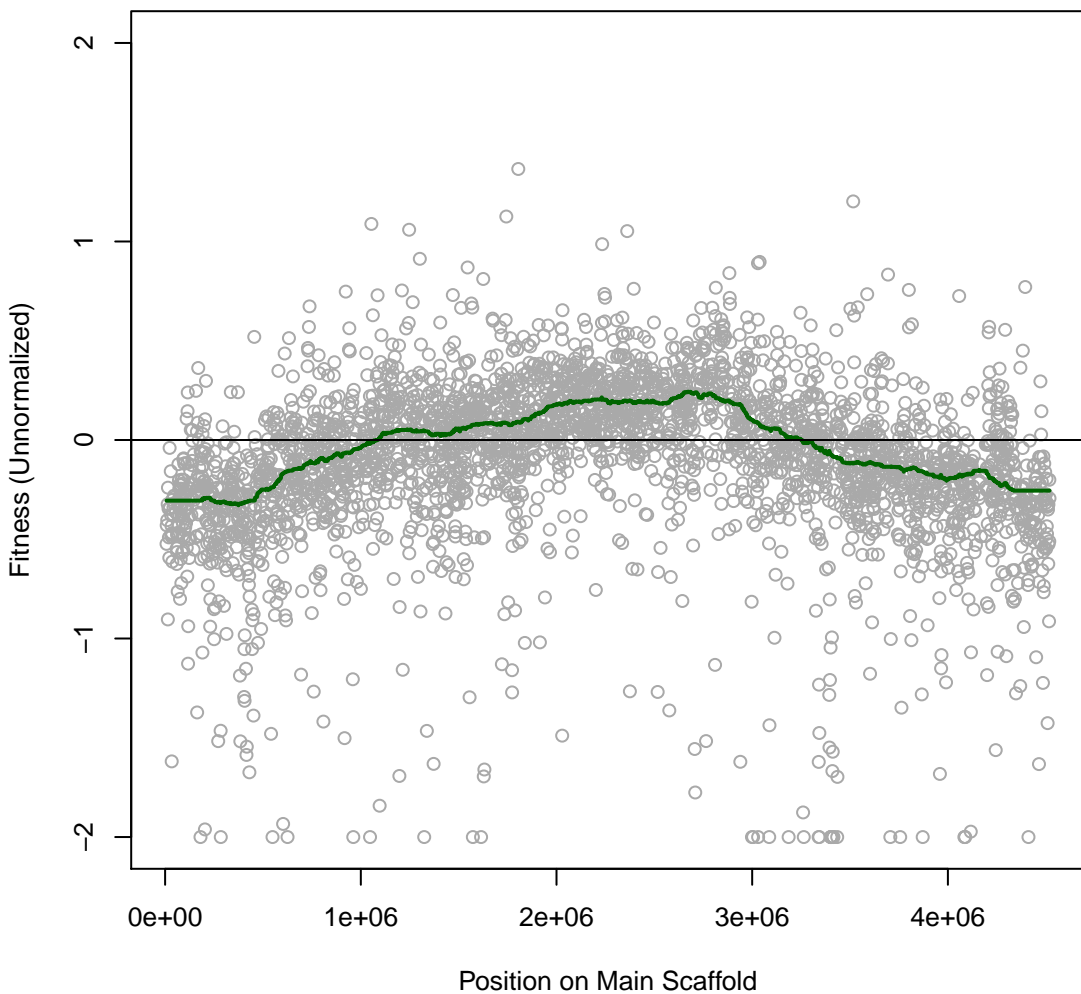




**Cup4G11 4IT061 #157 (gMed=192 rho12=0.134)**  
**LB**

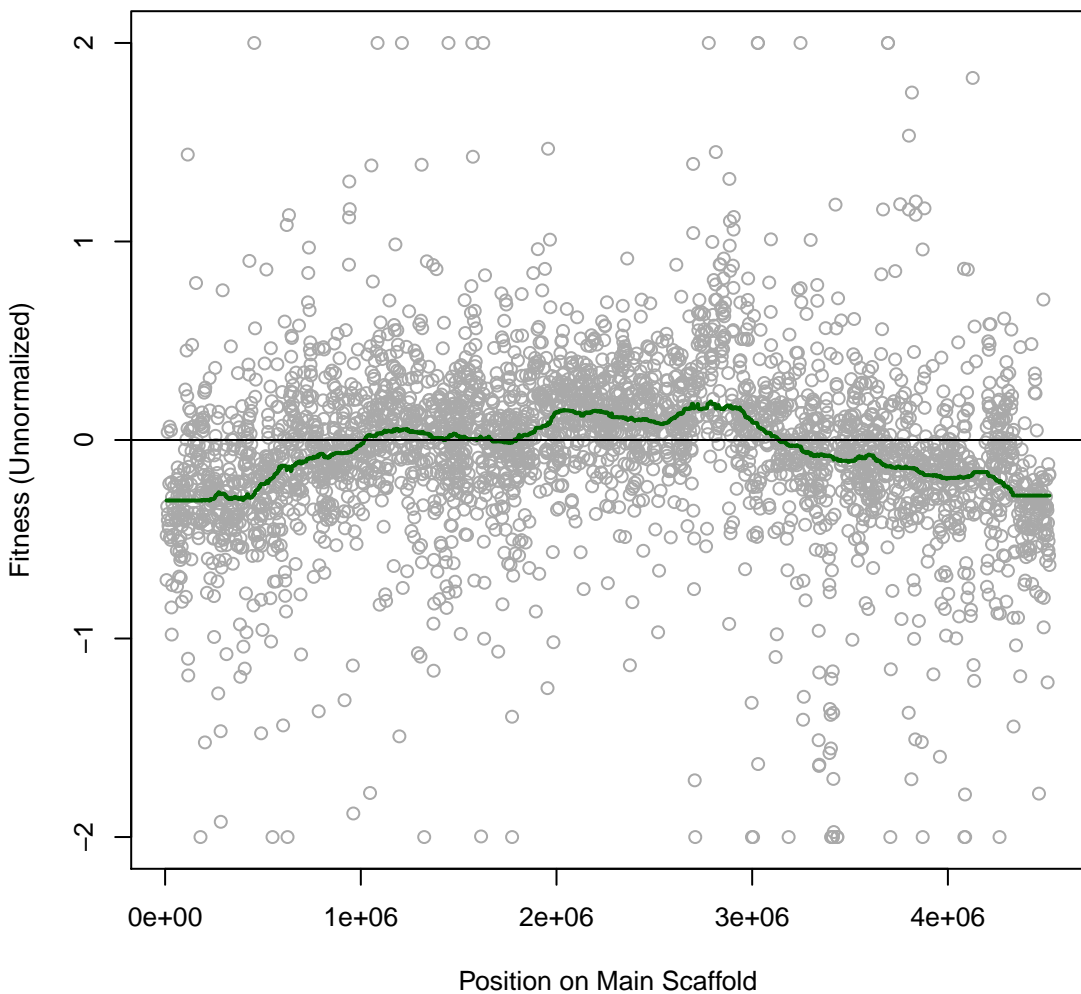


**Cup4G11 4IT062 #158 (gMed=251 rho12=0.173)**  
**R2A with Nickel (II) chloride 0.25 mM**

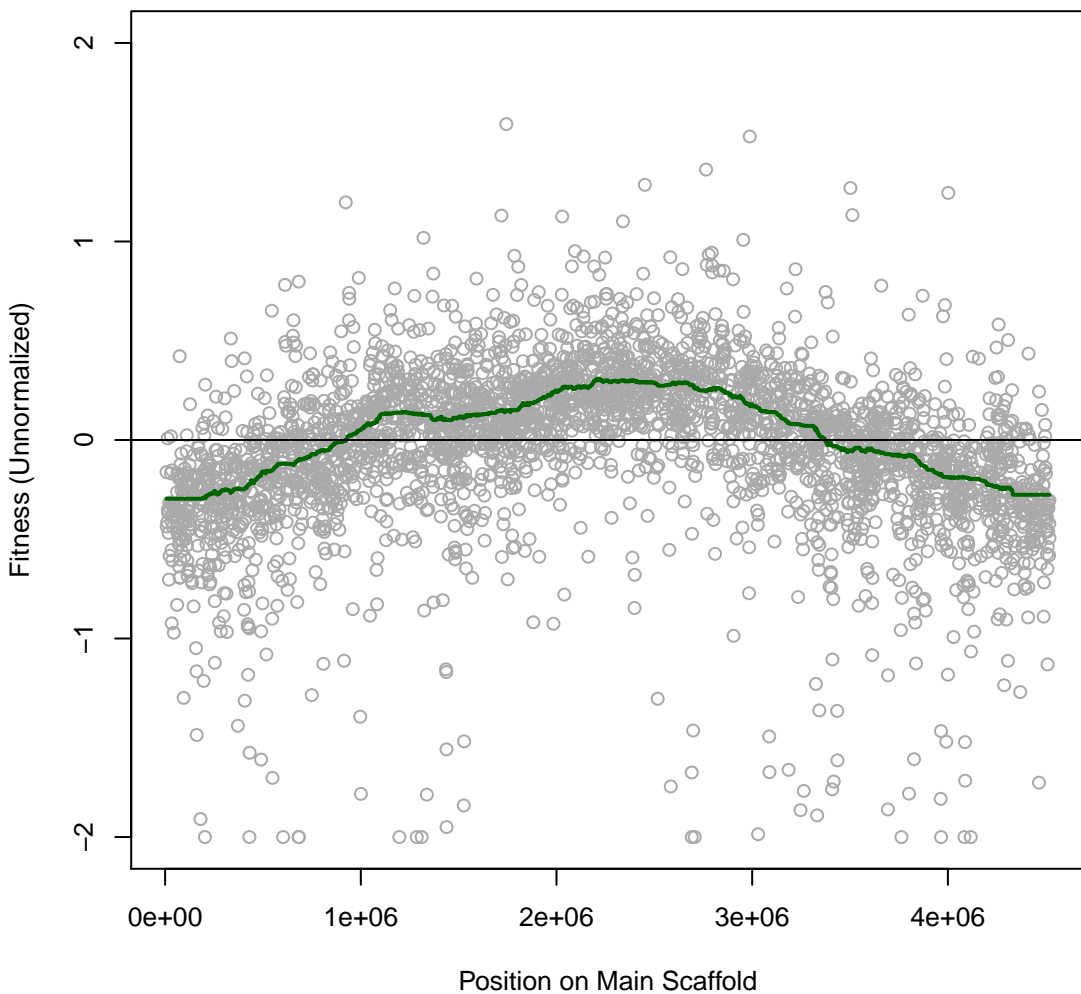




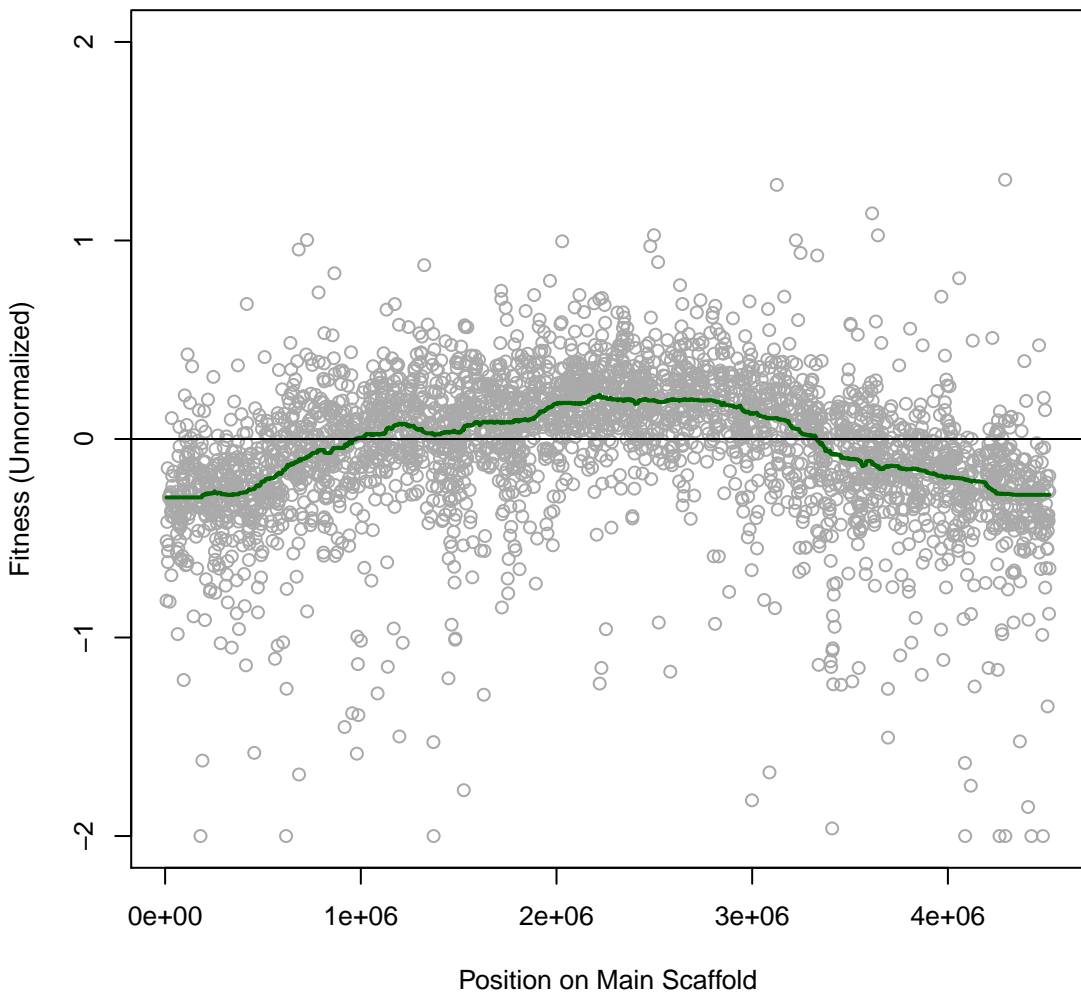
**Cup4G11 4IT063 #159 (gMed=214 rho12=0.200)**  
**R2A with Nickel (II) chloride 0.35 mM**



**Cup4G11 4IT064 #160 (gMed=199 rho12=0.128)**  
**R2A with sodium fluoride 100 mM**

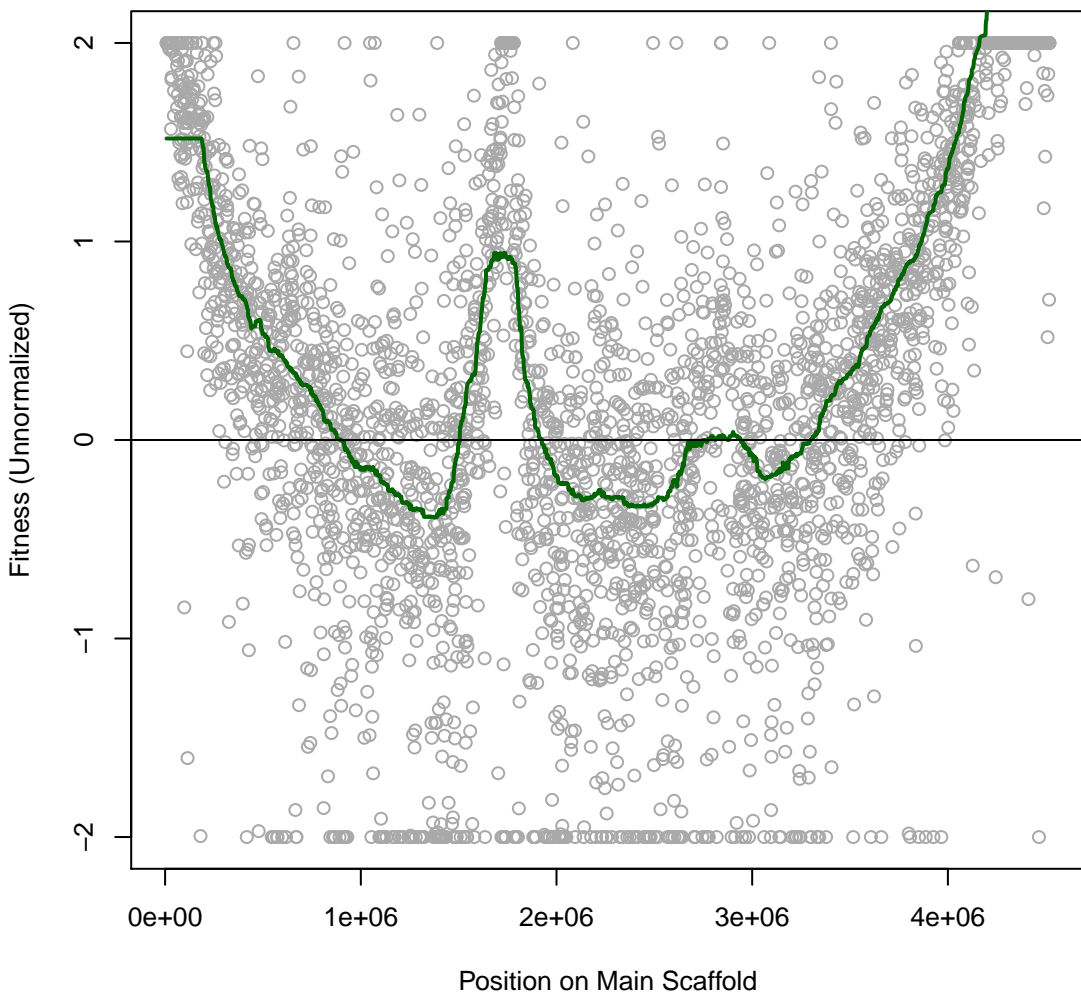


**Cup4G11 4IT065 #161 (gMed=187 rho12=0.091)**  
**R2A with Paraquat dichloride 0.032 mg/ml**

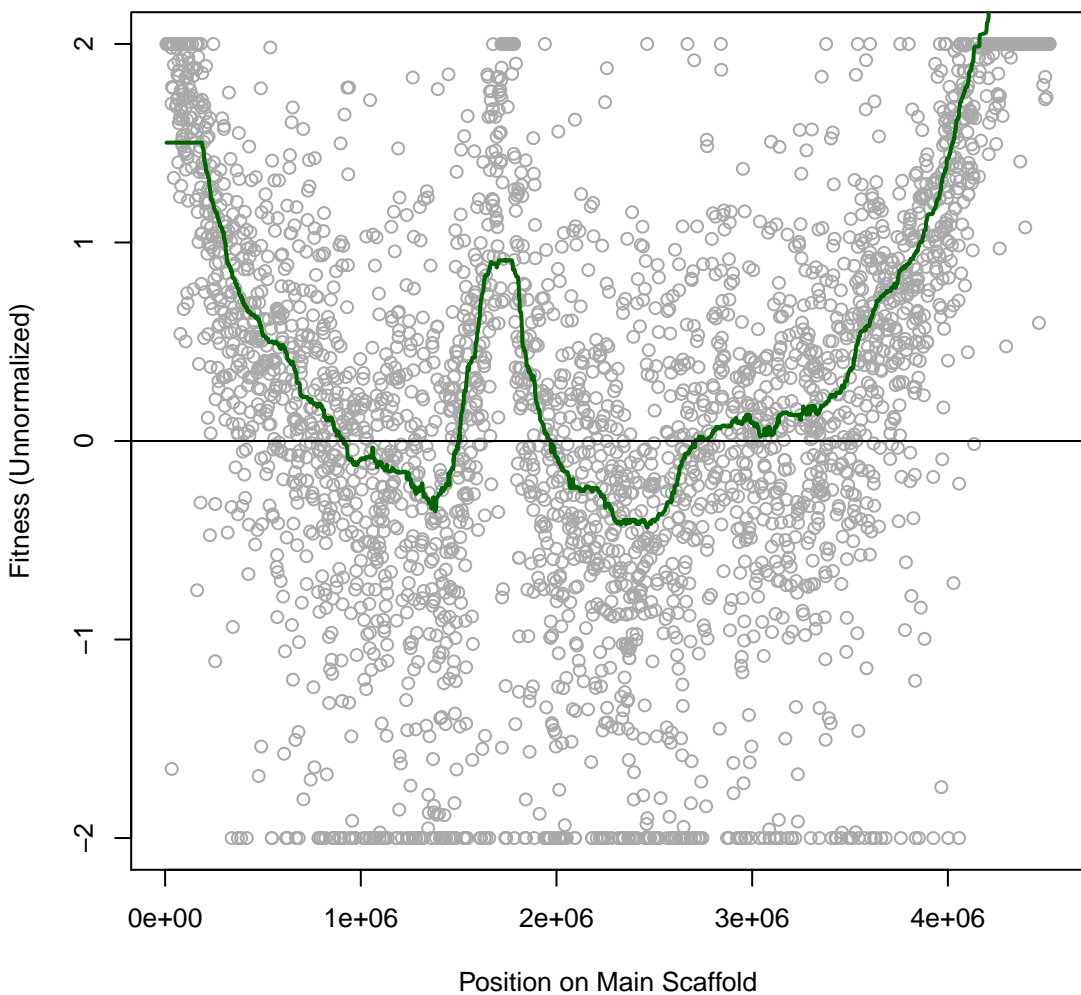


**Cup4G11 4IT066 #162 (gMed=77 rho12=0.049)**

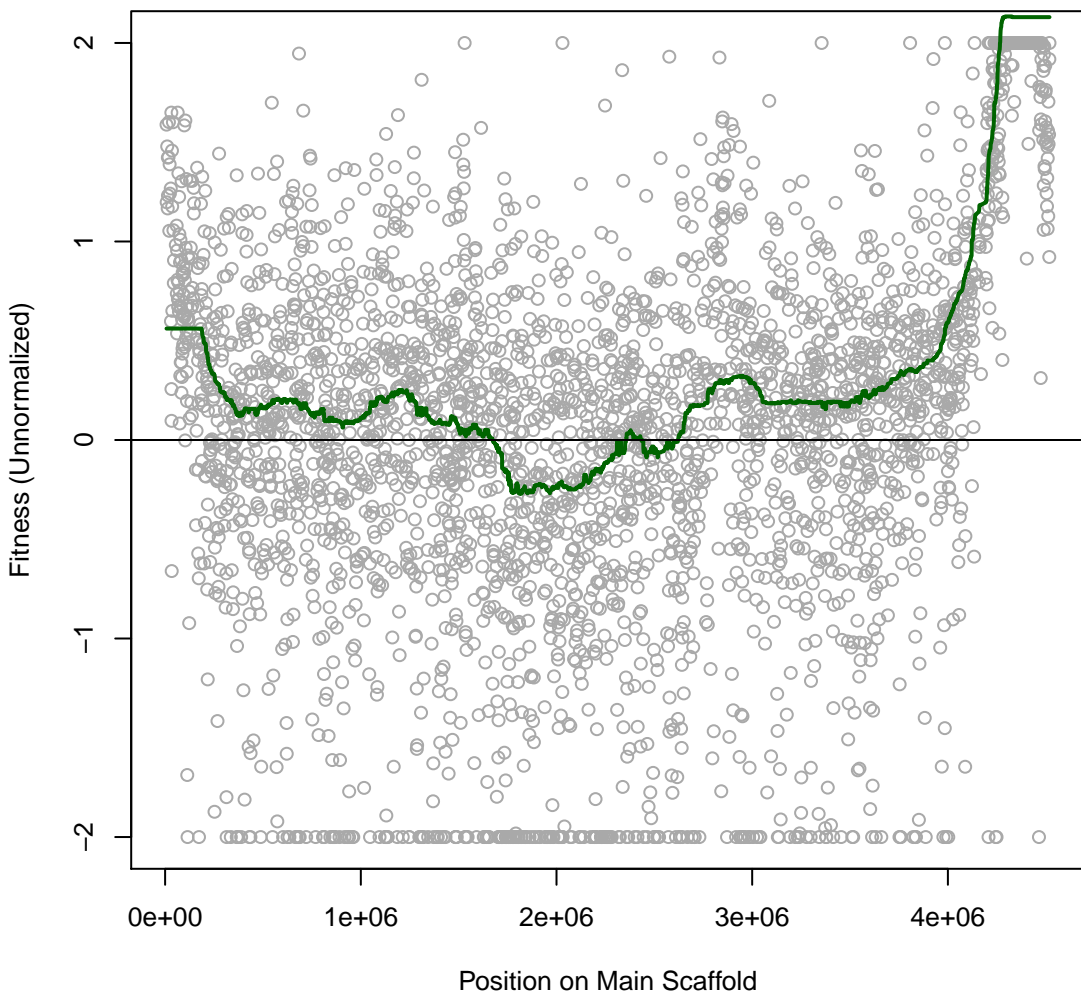
**R2A with Cisplatin 0.001 mg/ml**



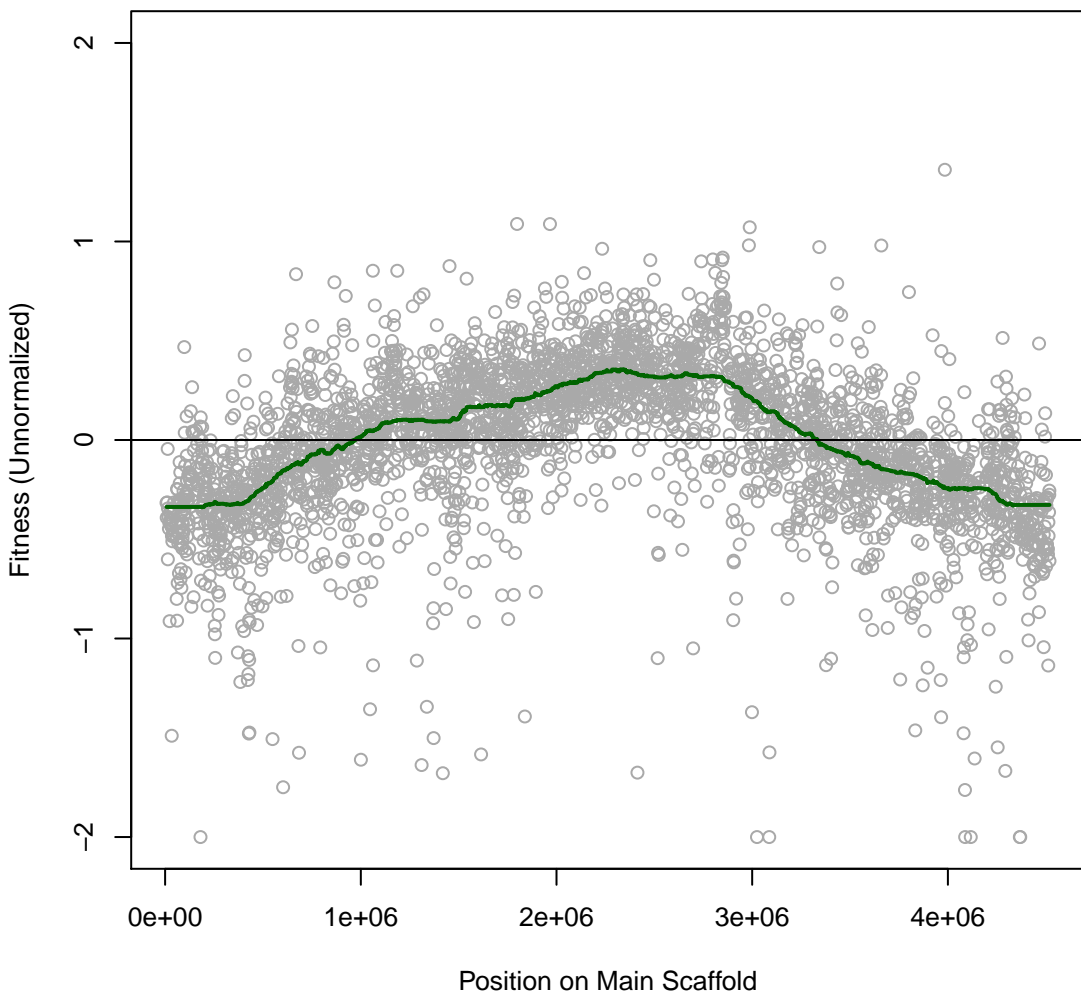
**Cup4G11 4IT067 #163 (gMed=68 rho12=0.066)**  
**R2A with Cisplatin 0.003 mg/ml**



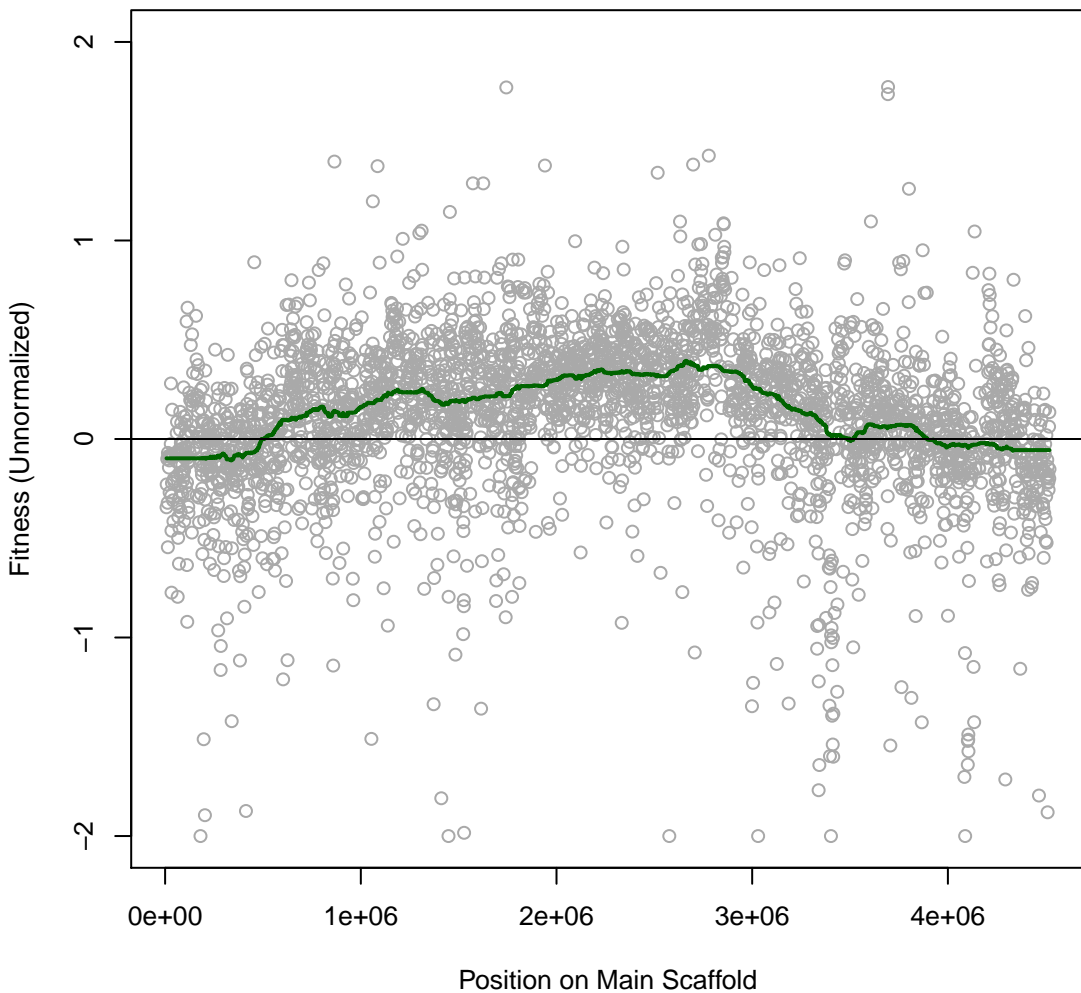
**Cup4G11 4IT068 #164 (gMed=58 rho12=0.095)**  
**R2A with Cisplatin 0.0075 mg/ml**



**Cup4G11 4IT069 #165 (gMed=206 rho12=0.161)**  
**R2A**

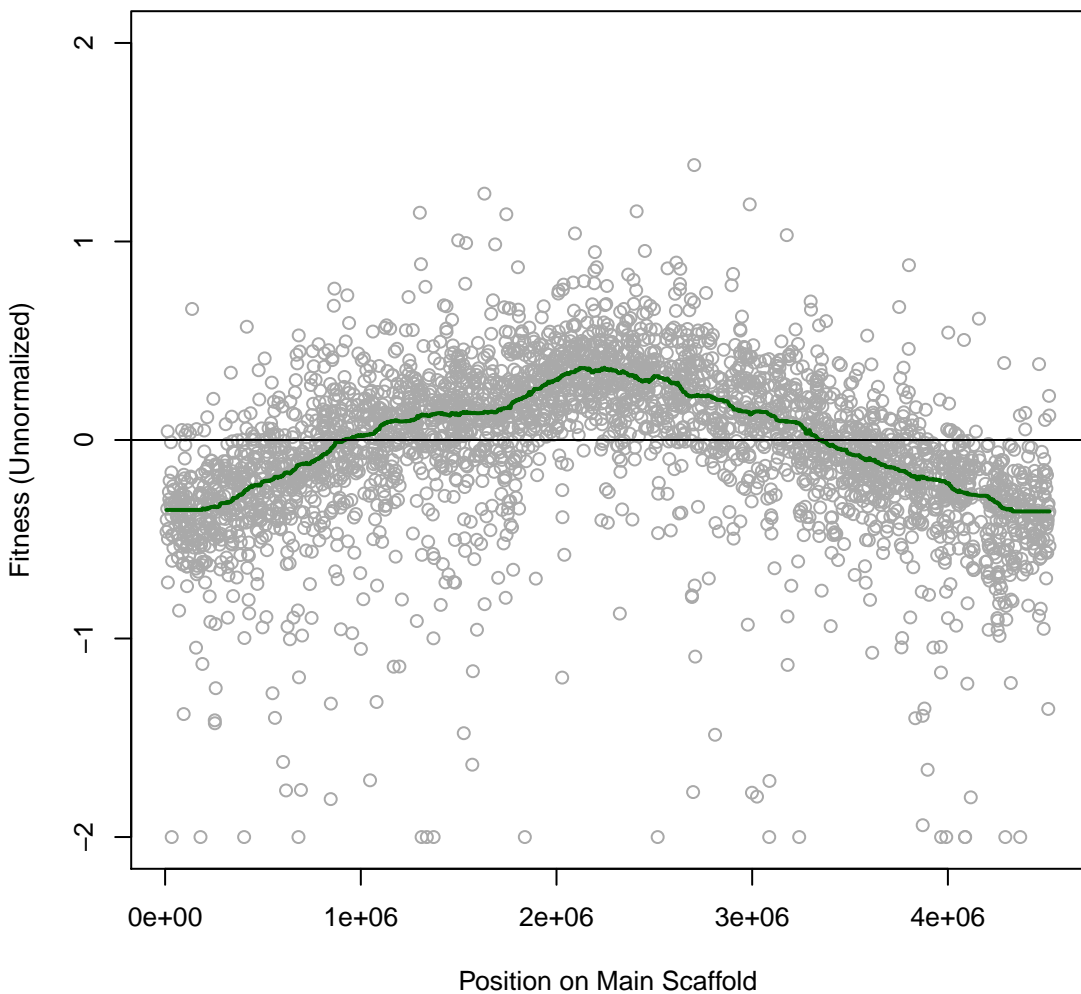


**Cup4G11 4IT070 #166 (gMed=215 rho12=0.197)**  
**R2A with nitrate 200 mM**

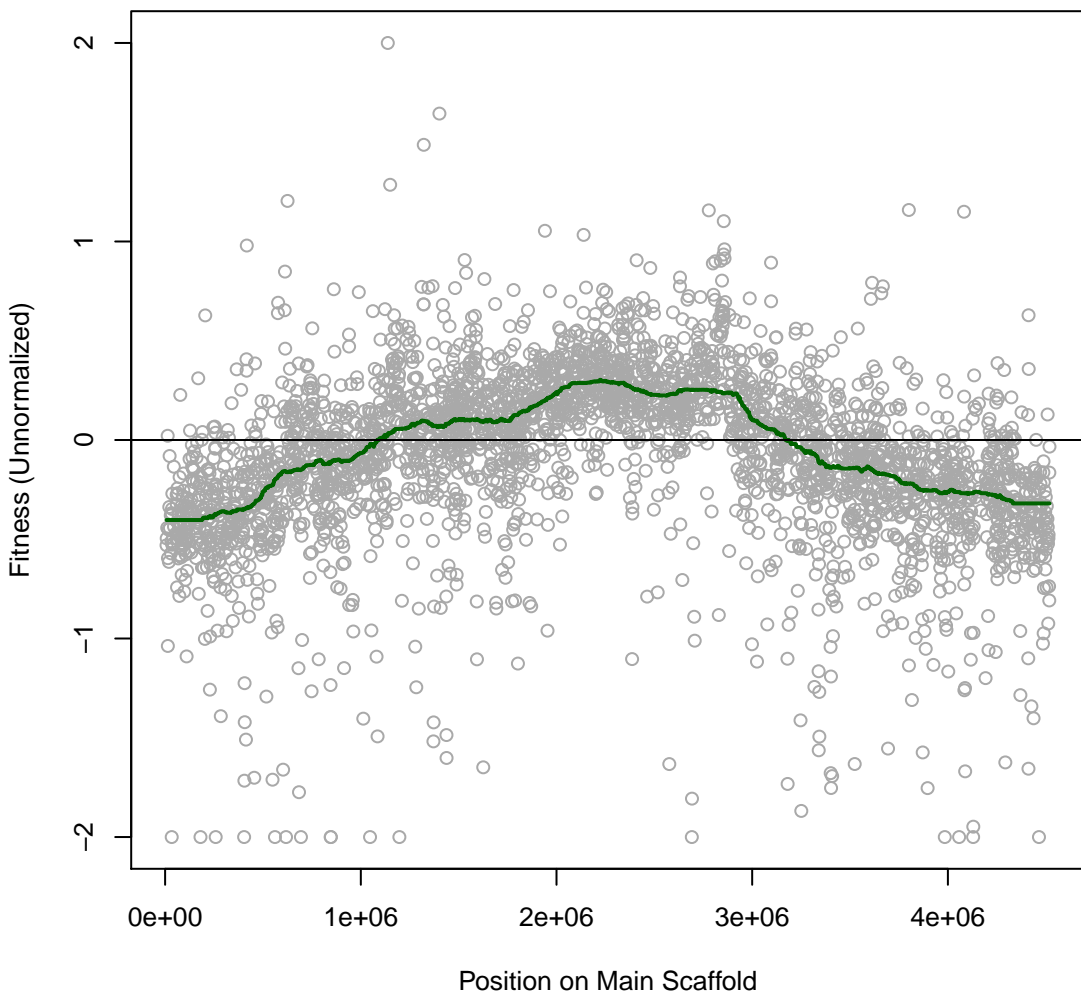




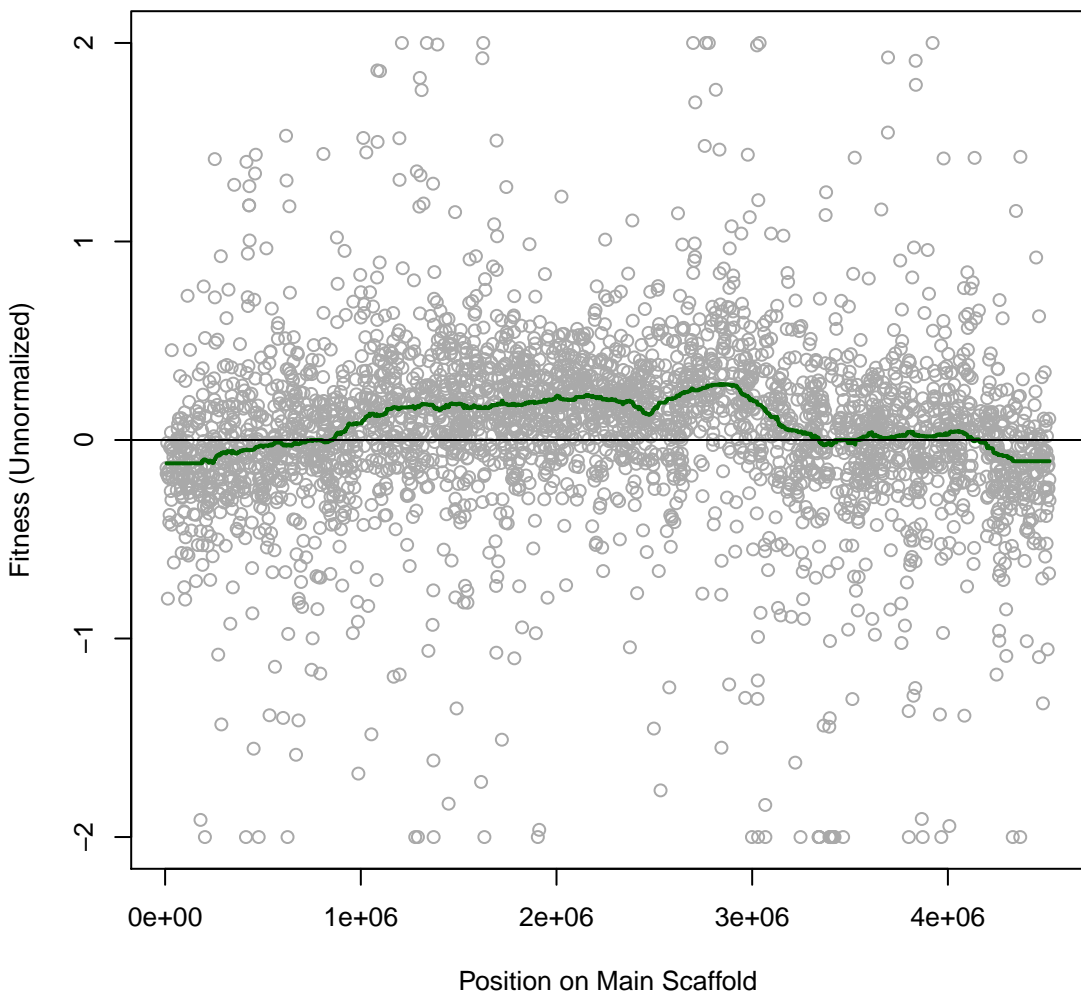
**Cup4G11 4IT071 #167 (gMed=199 rho12=0.099)**  
**R2A with Chlorite 2 mM**



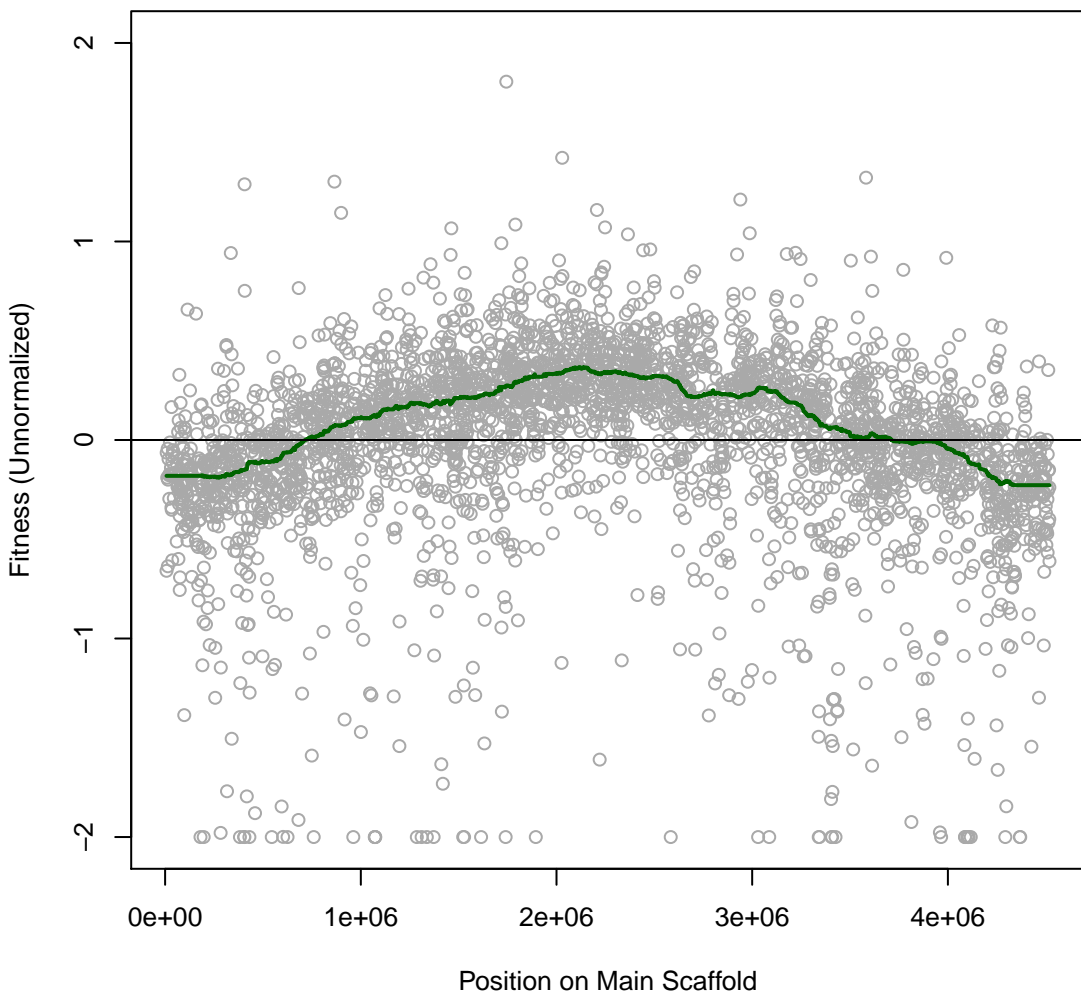
**Cup4G11 4IT072 #168 (gMed=207 rho12=0.120)**  
**R2A with Chlorite 4 mM**



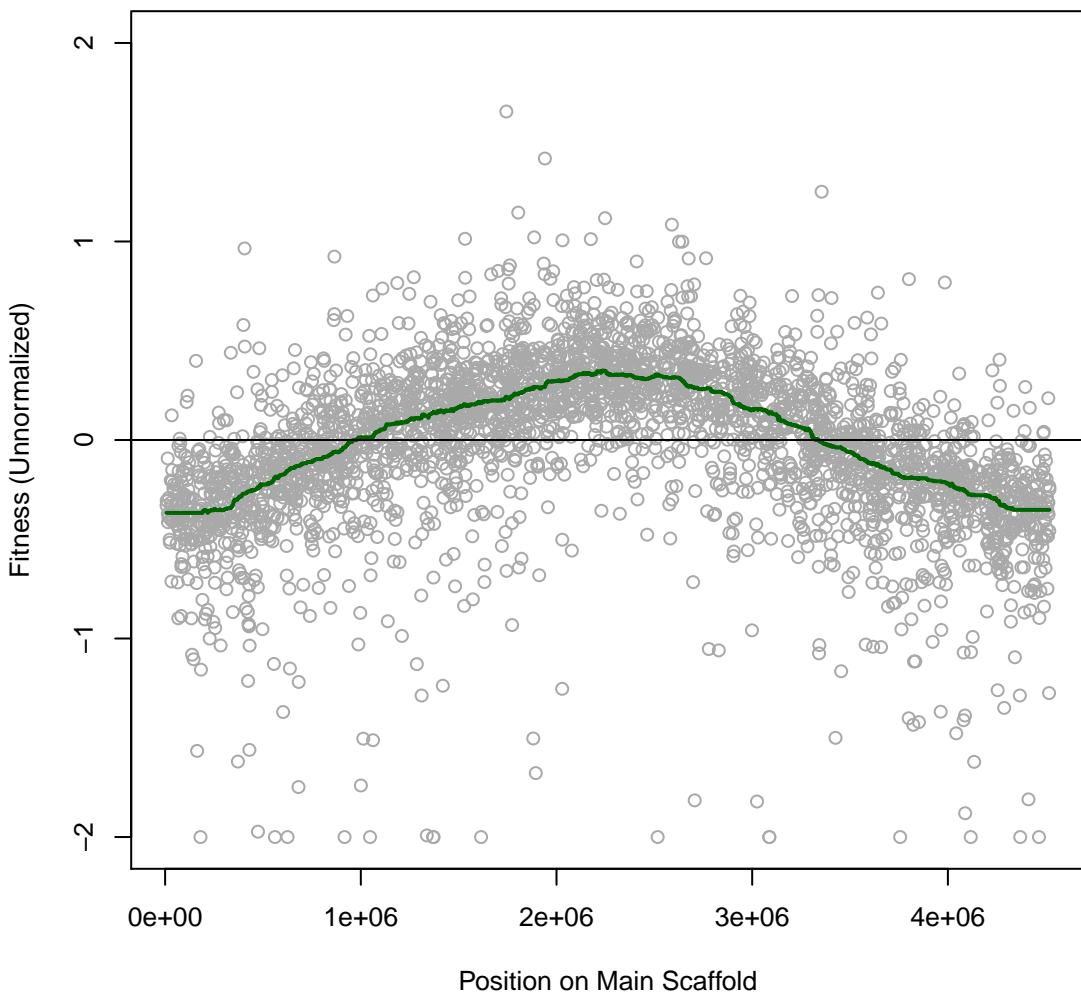
**Cup4G11 4IT073 #169 (gMed=148 rho12=0.214)**  
**R2A with Polymyxin B sulfate 0.005 mg/ml**



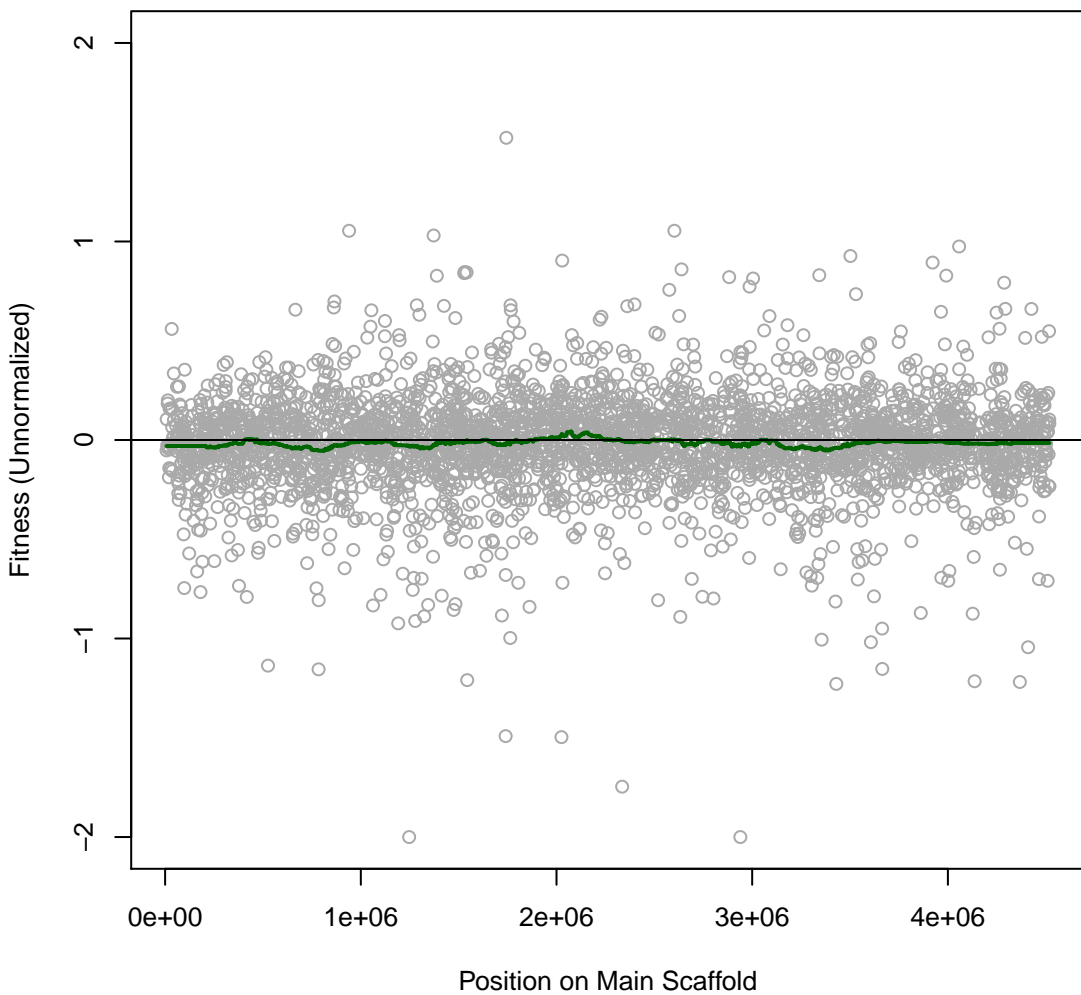
**Cup4G11 4IT074 #170 (gMed=128 rho12=0.141)**  
**R2A with Chloride 300 mM**



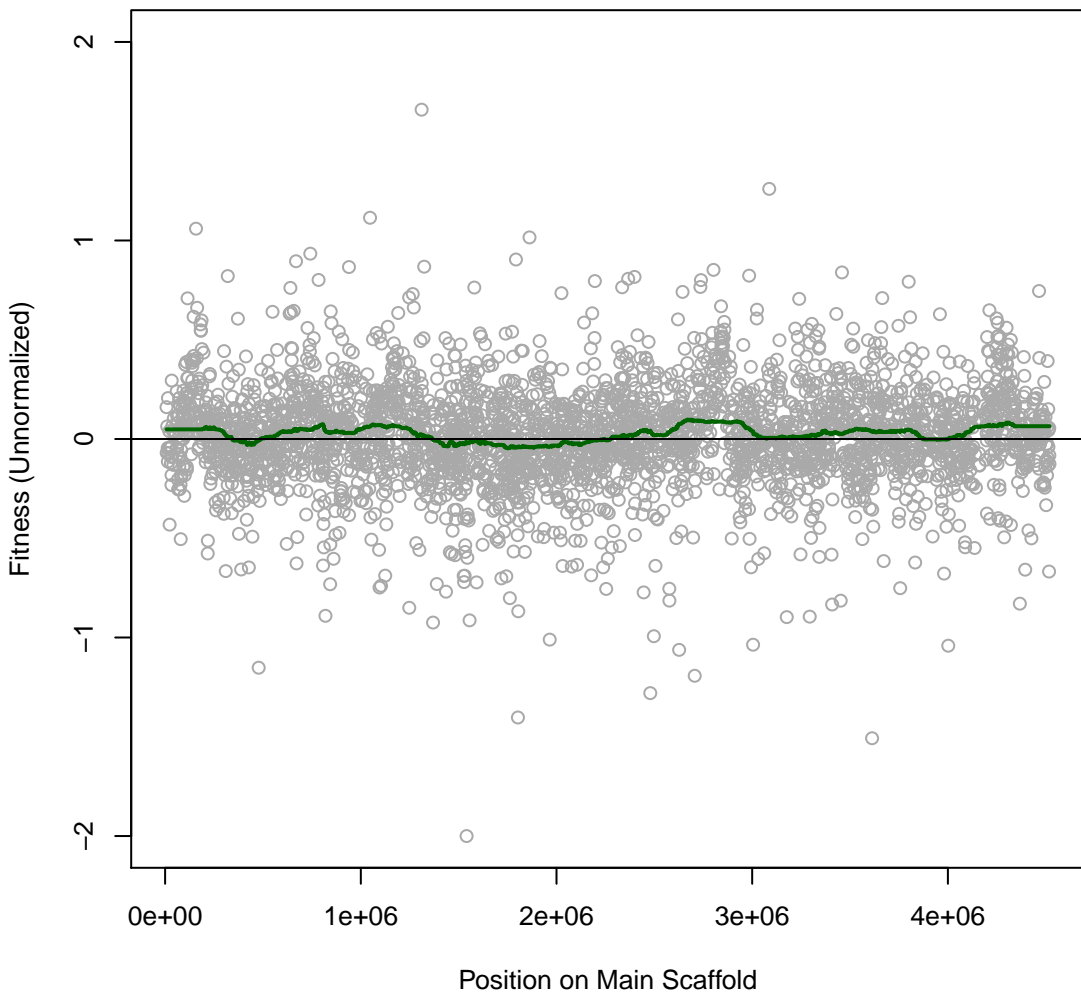
**Cup4G11 4IT075 #171 (gMed=158 rho12=0.089)**  
**R2A**



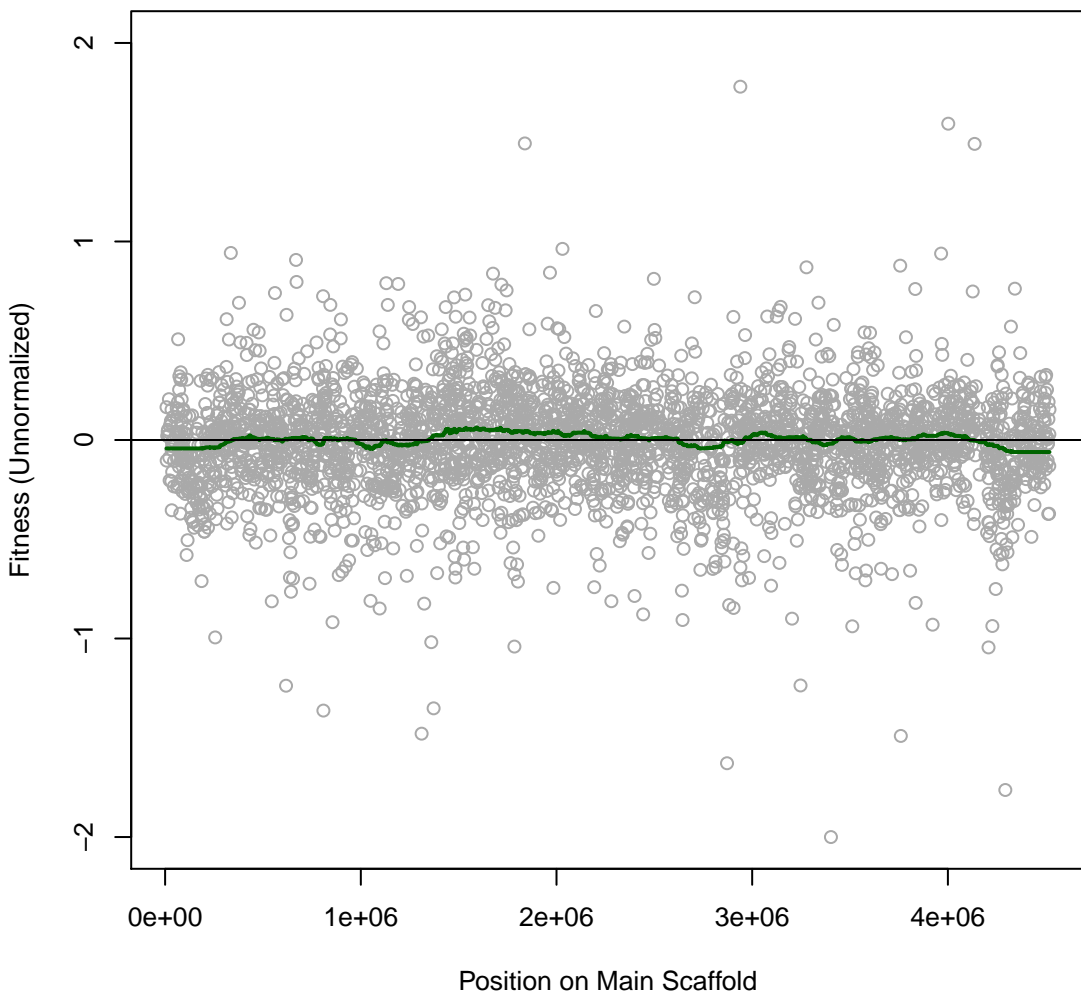
**Cup4G11 4IT076 #172 (gMed=205 rho12=0.023)**  
**Time0**



**Cup4G11 4IT077 #173 (gMed=165 rho12=0.078)**  
**Time0**

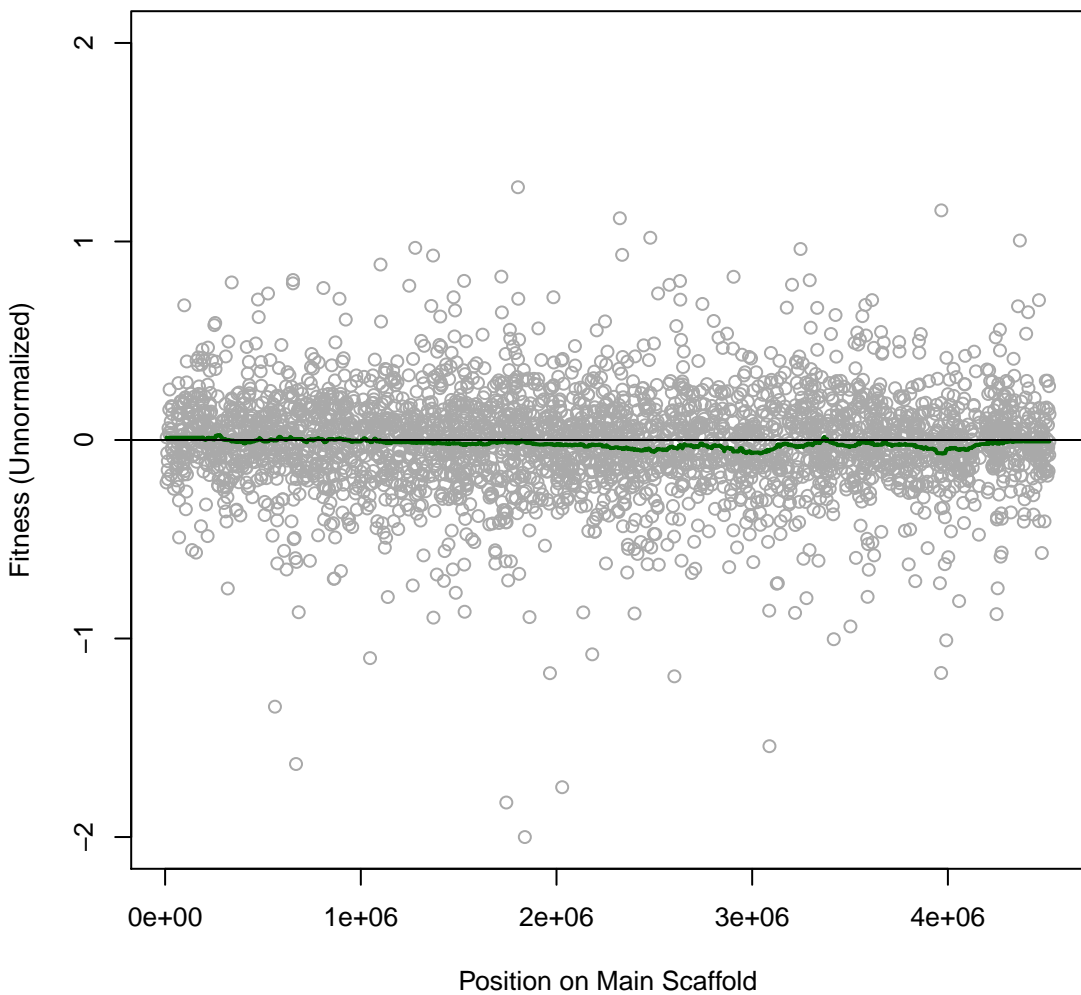


**Cup4G11 4IT078 #174 (gMed=198 rho12=0.054)**  
**Time0**

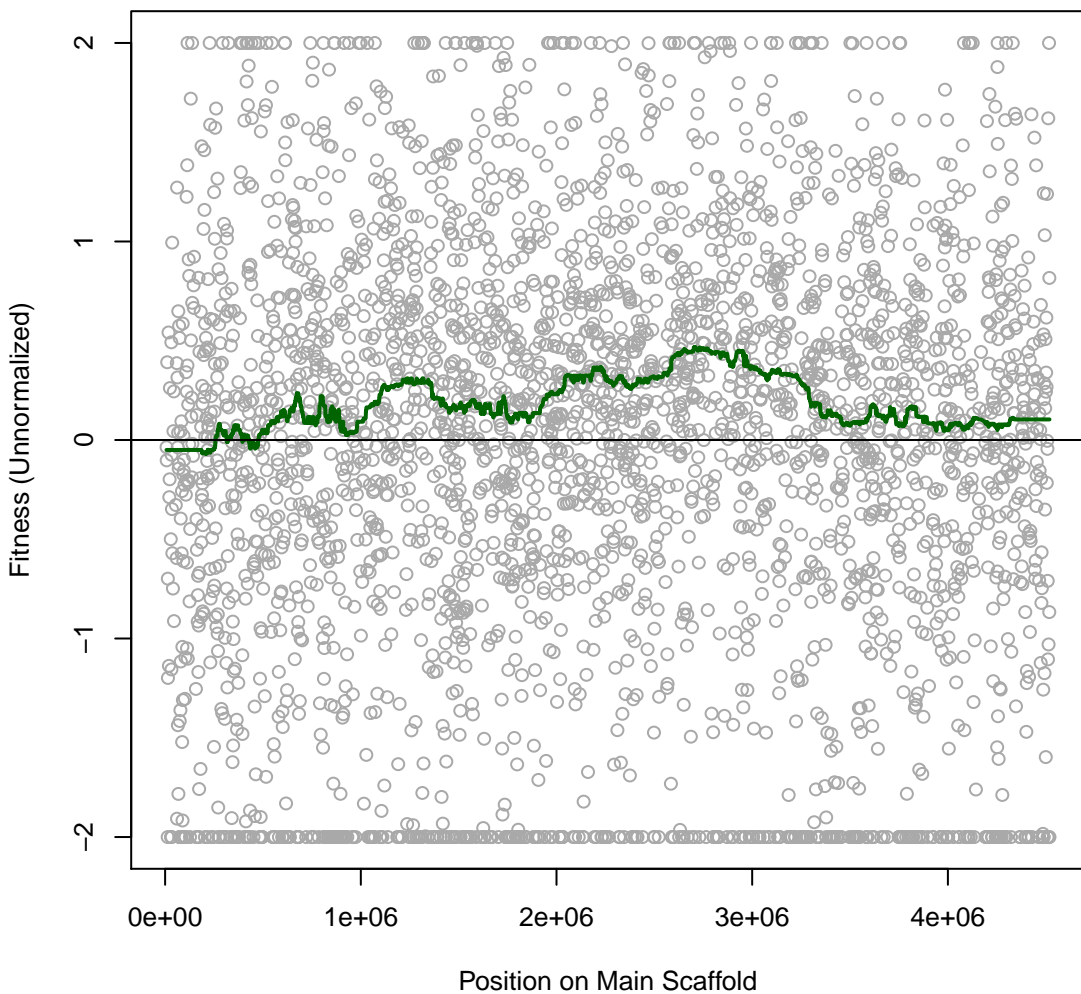




**Cup4G11 4IT079 #175 (gMed=237 rho12=0.051)**  
**Time0**

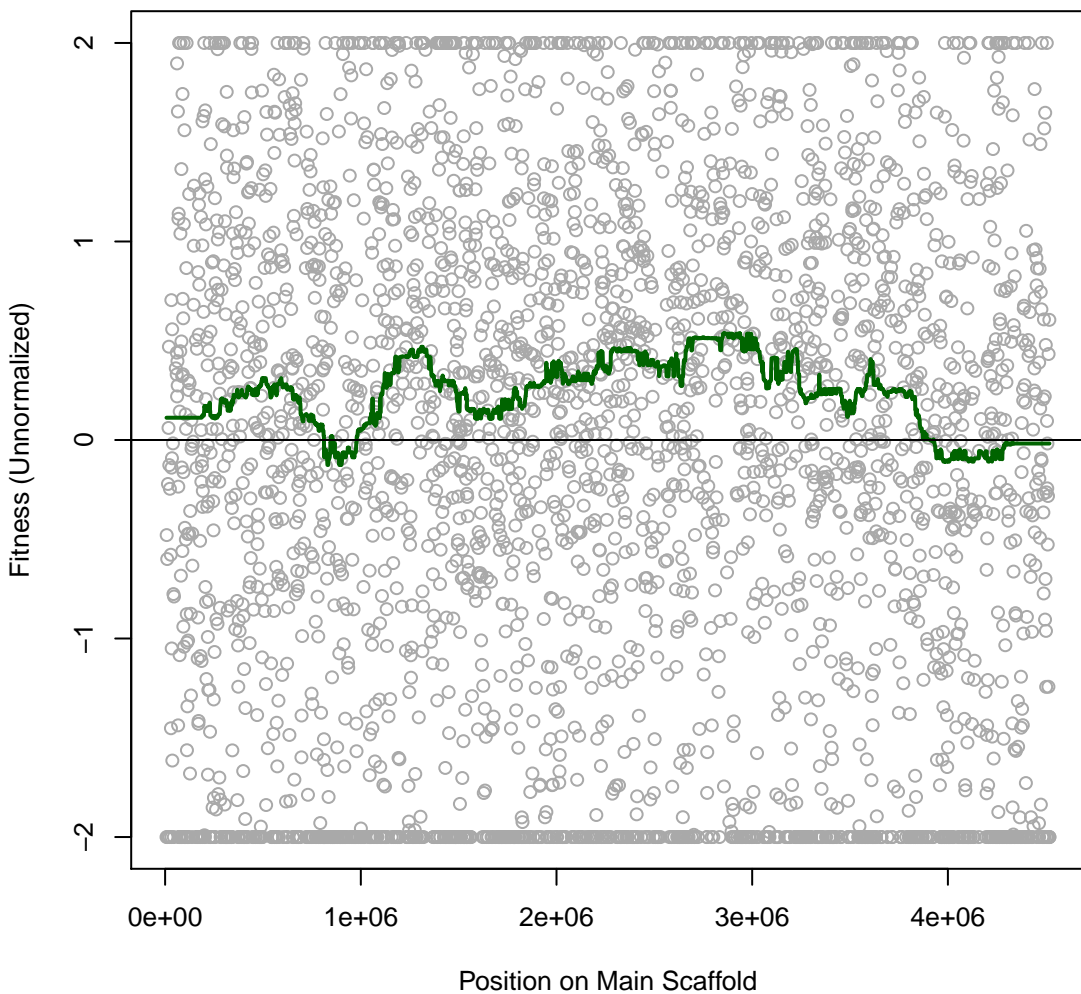


**Cup4G11 4IT080 #176 (gMed=188 rho12=0.090)**  
**Benzethonium chloride 0.005 mM**

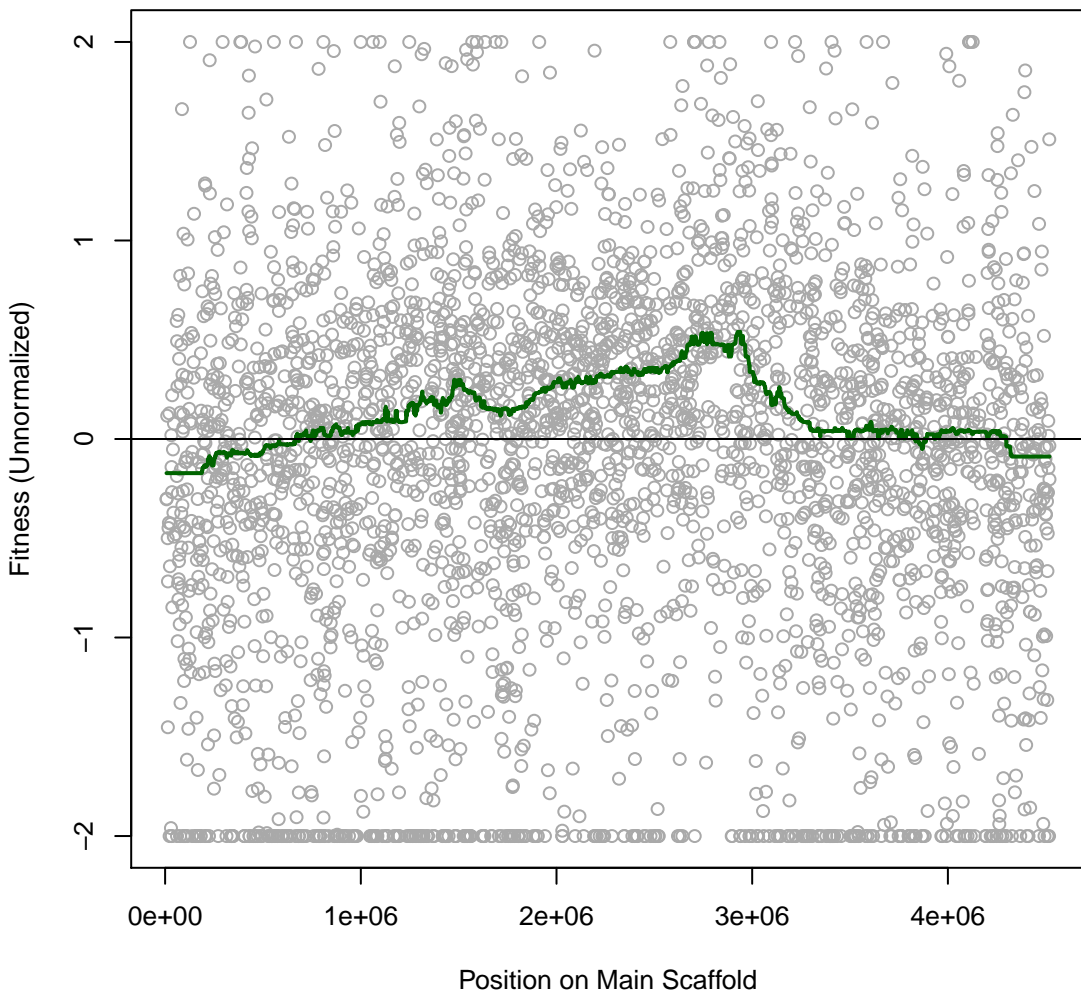


**Cup4G11 4IT081 #177 (gMed=149 rho12=0.098)**

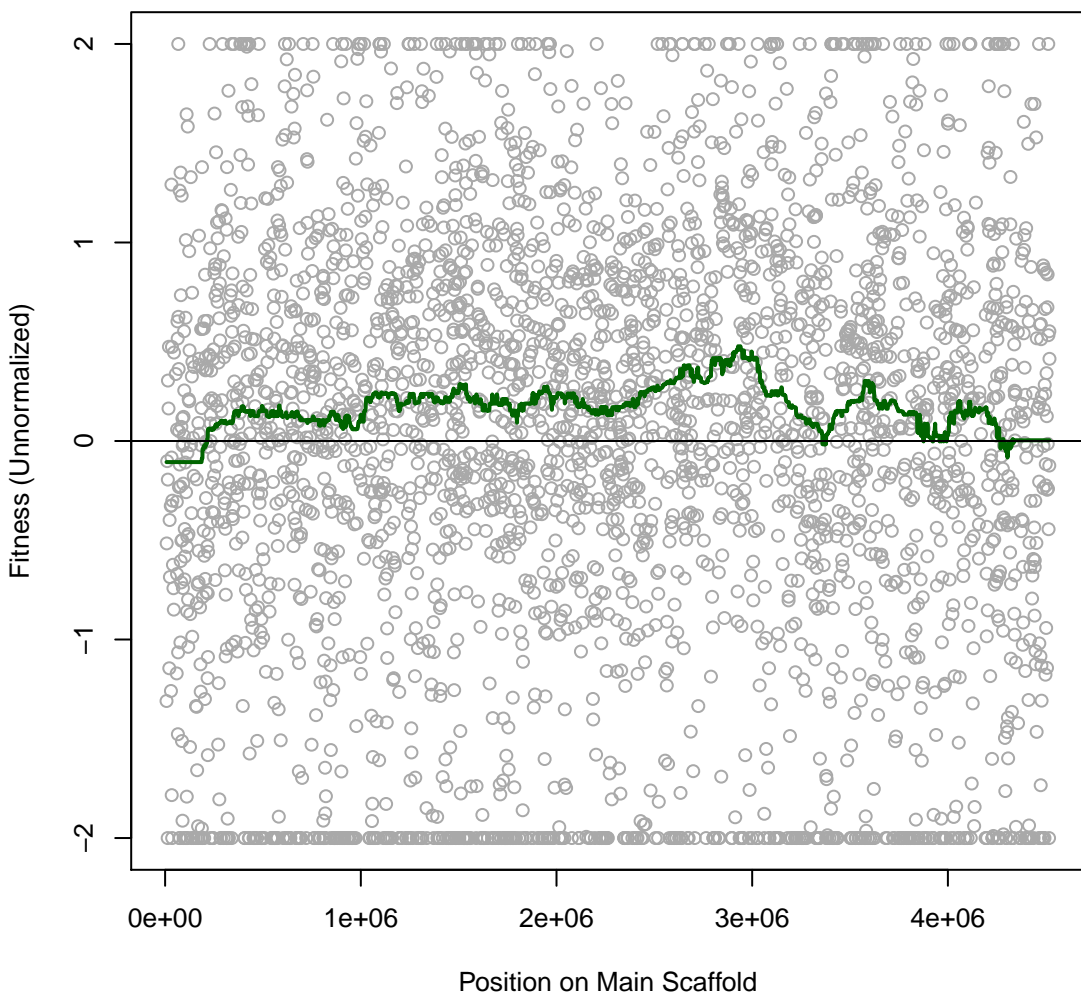
**Benzalkonium Chloride 0.00075 mg/ml**



**Cup4G11 4IT082 #178 (gMed=180 rho12=0.138)**  
**Phosphomycin 0.8 mg/ml**

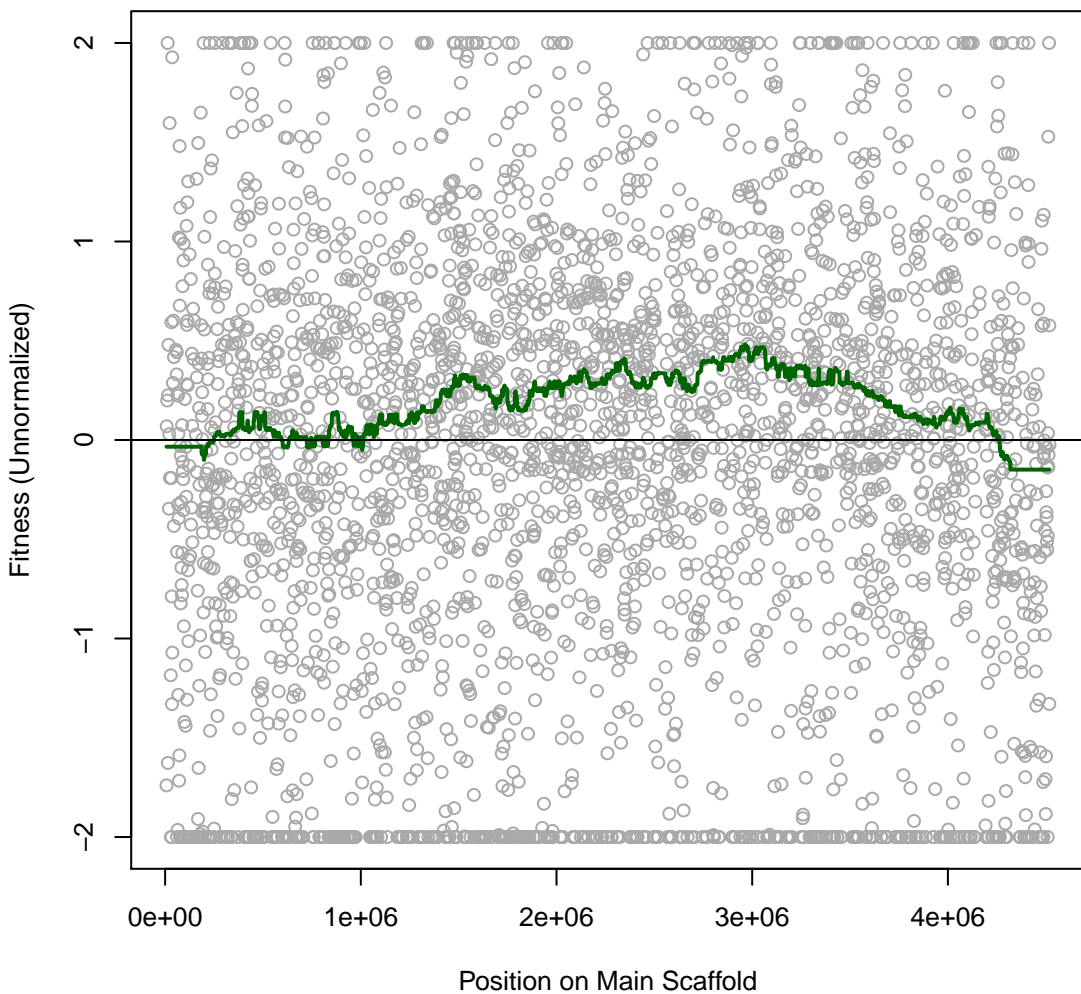


**Cup4G11 4IT083 #179 (gMed=157 rho12=0.092)**  
**Bacitracin 0.5 mg/ml**



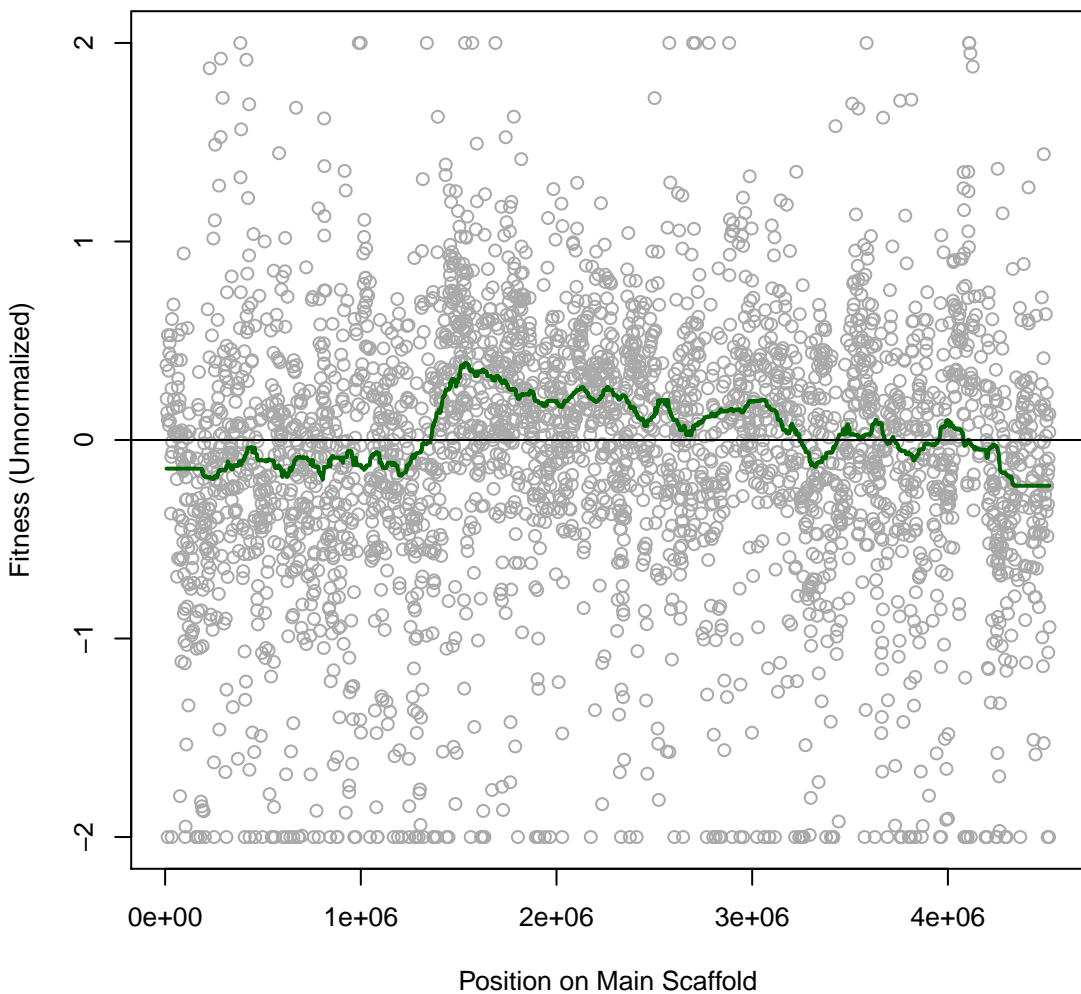
**Cup4G11 4IT084 #180 (gMed=178 rho12=0.105)**

**Fusidic 0.004 mg/ml**

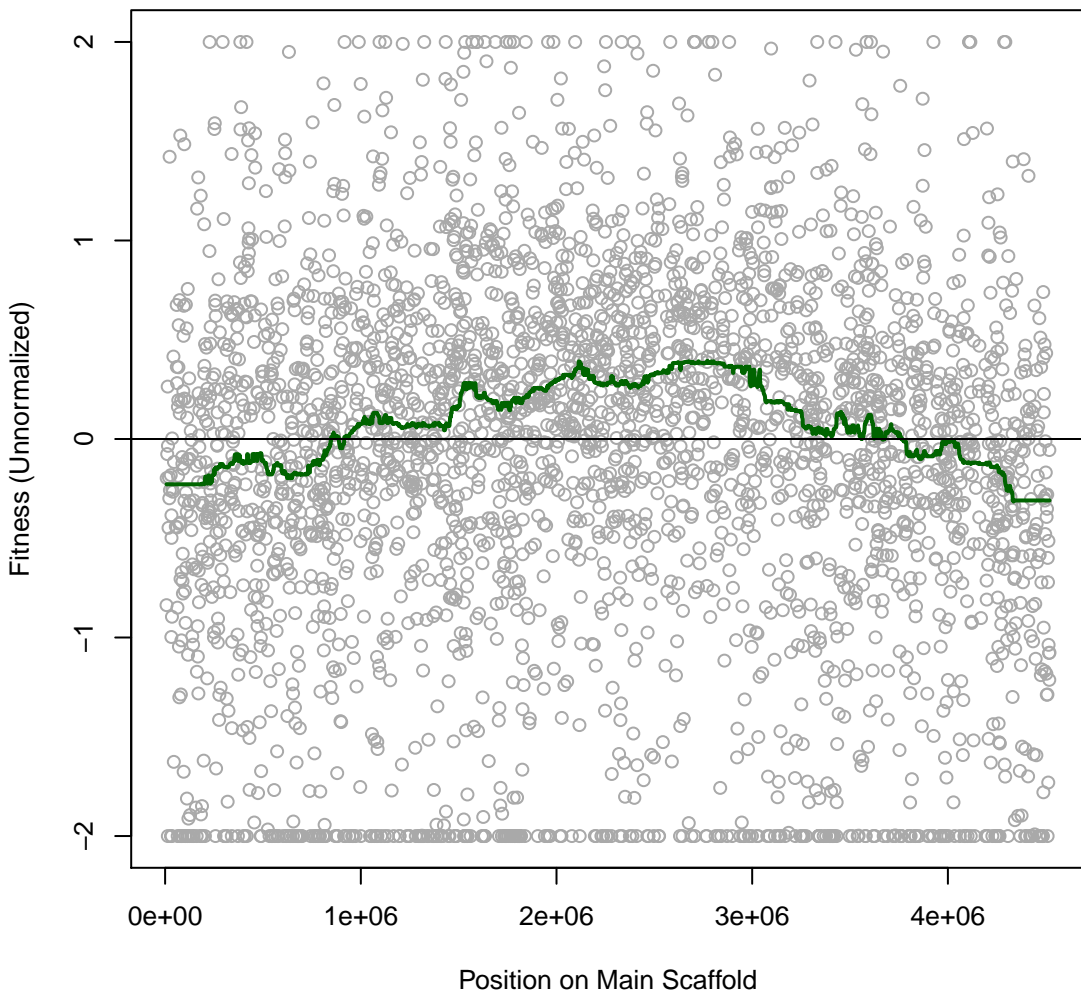




**Cup4G11 4IT085 #181 (gMed=156 rho12=0.298)**  
**Dimethyl Sulfoxide 5 vol%**

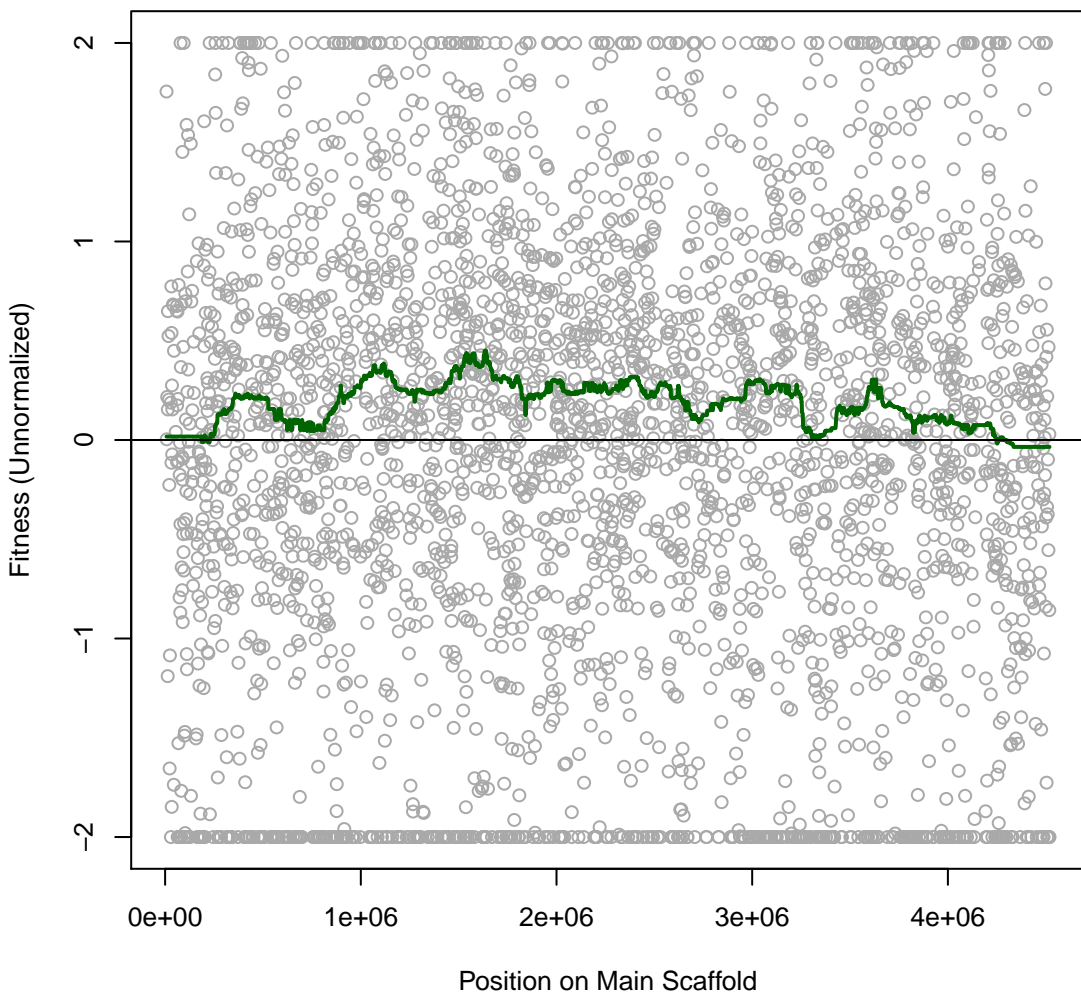


**Cup4G11 4IT086 #182 (gMed=146 rho12=0.123)**  
**Vancomycin 0.25 mg/ml**

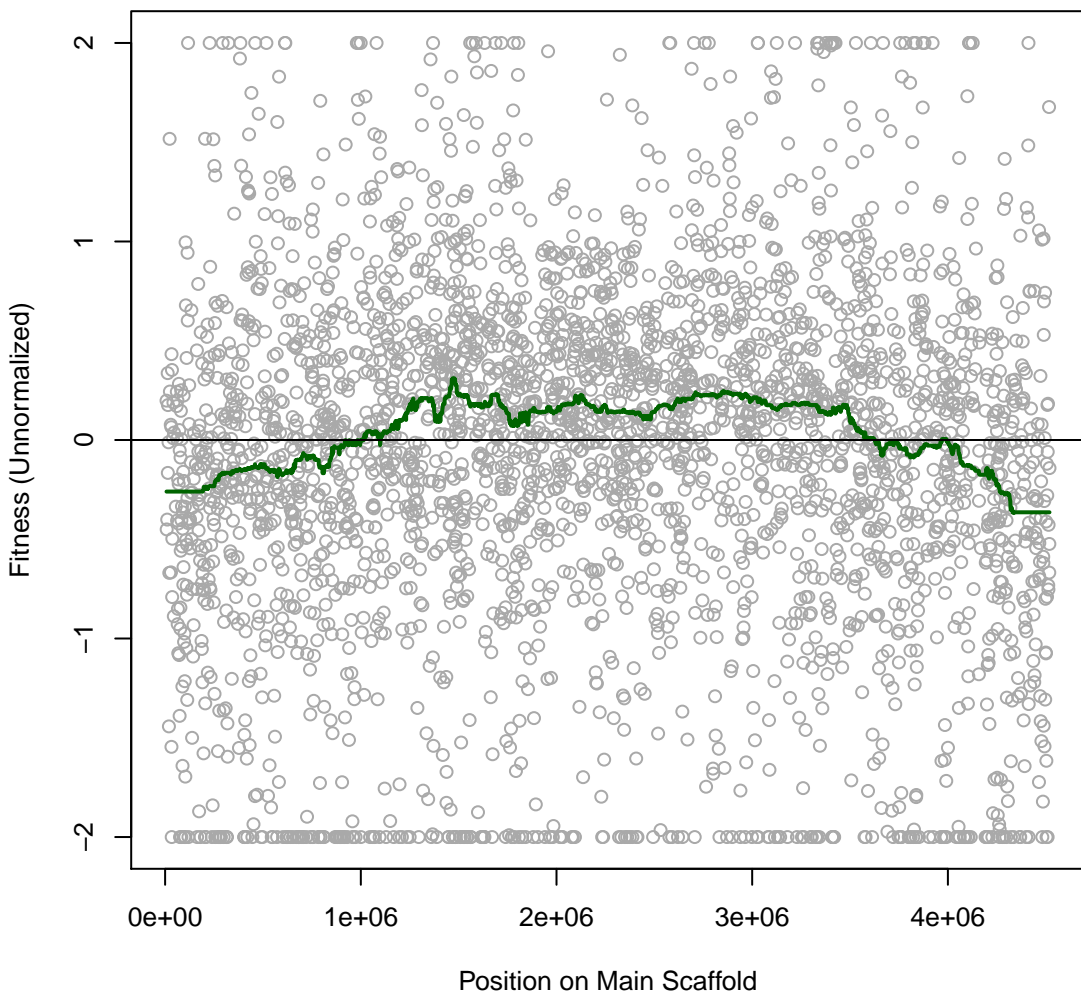




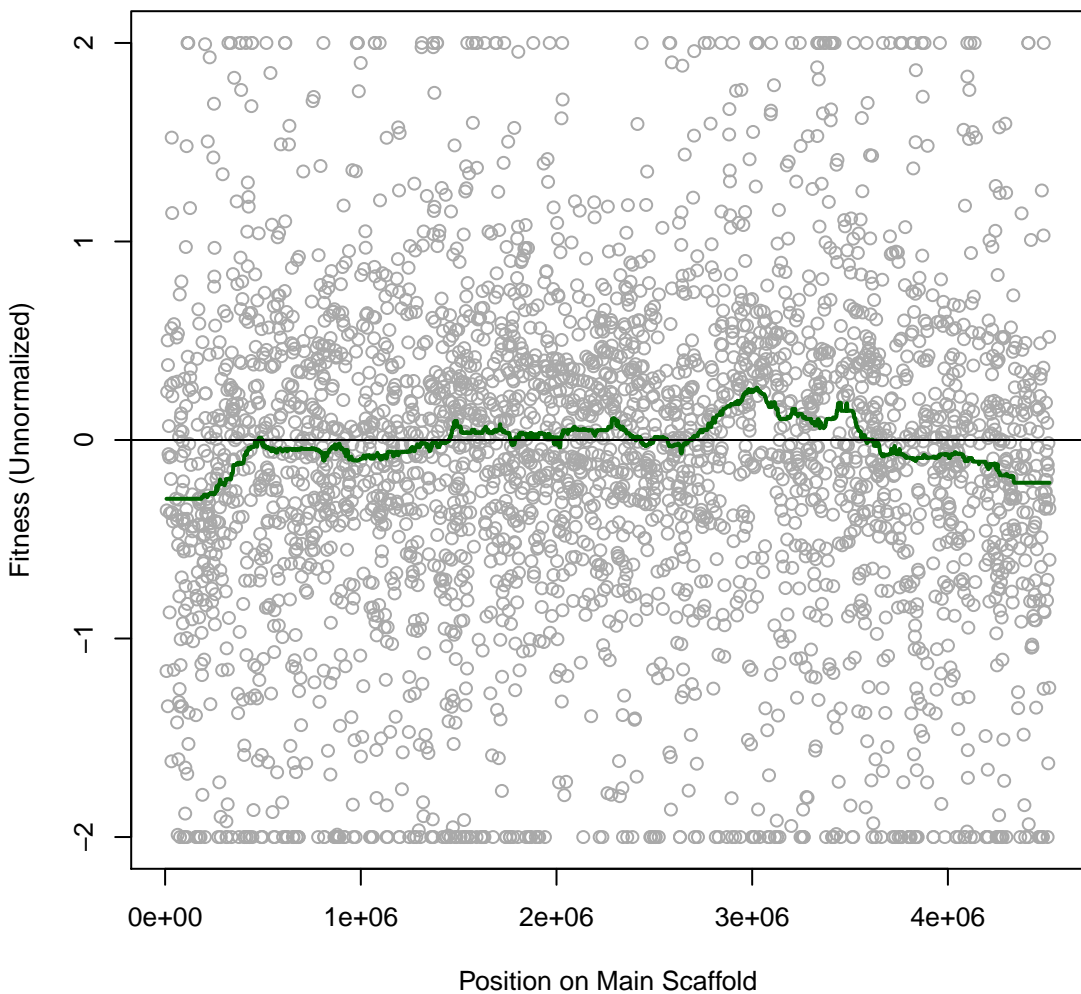
**Cup4G11 4IT087 #183 (gMed=180 rho12=0.130)**  
**Vancomycin 0.5 mg/ml**



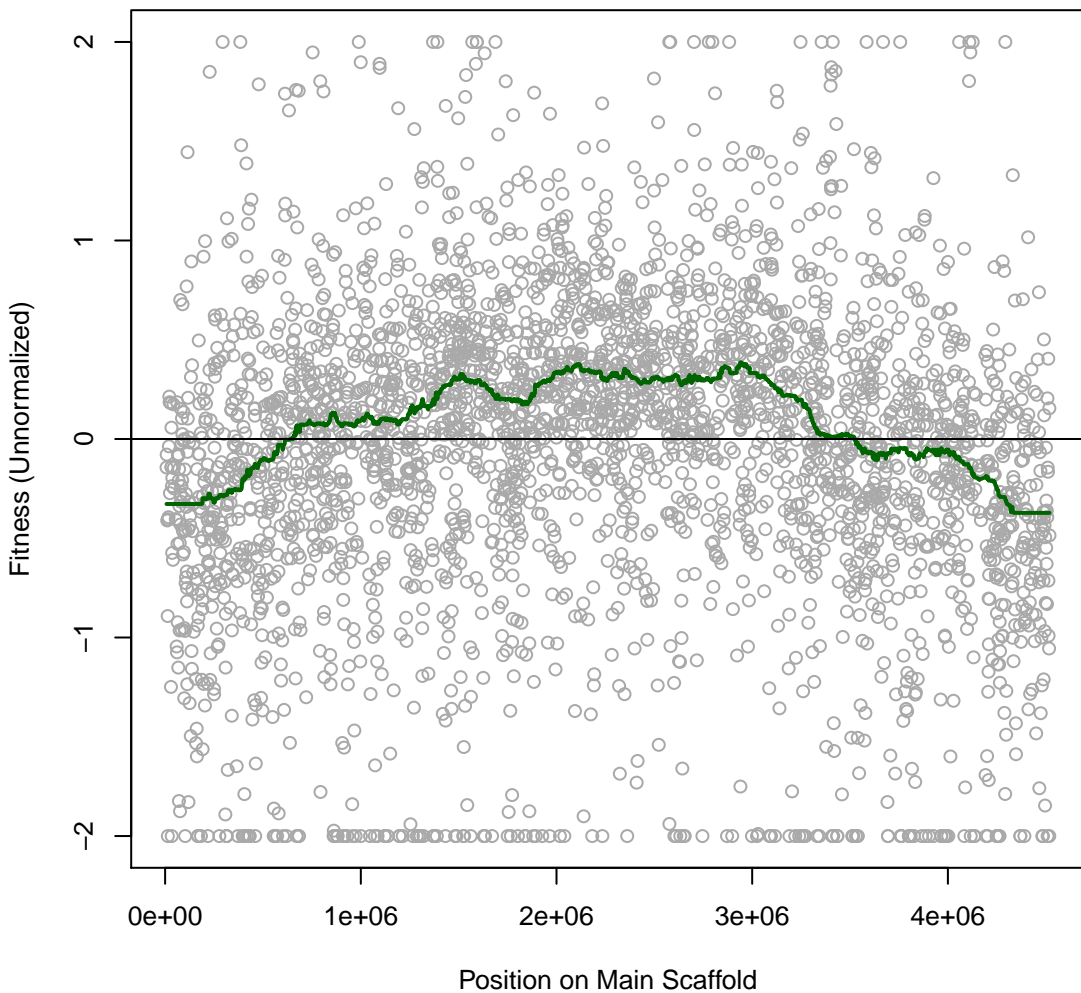
**Cup4G11 4IT088 #184 (gMed=127 rho12=0.175)**  
**Cephalothin 0.5 mg/ml**



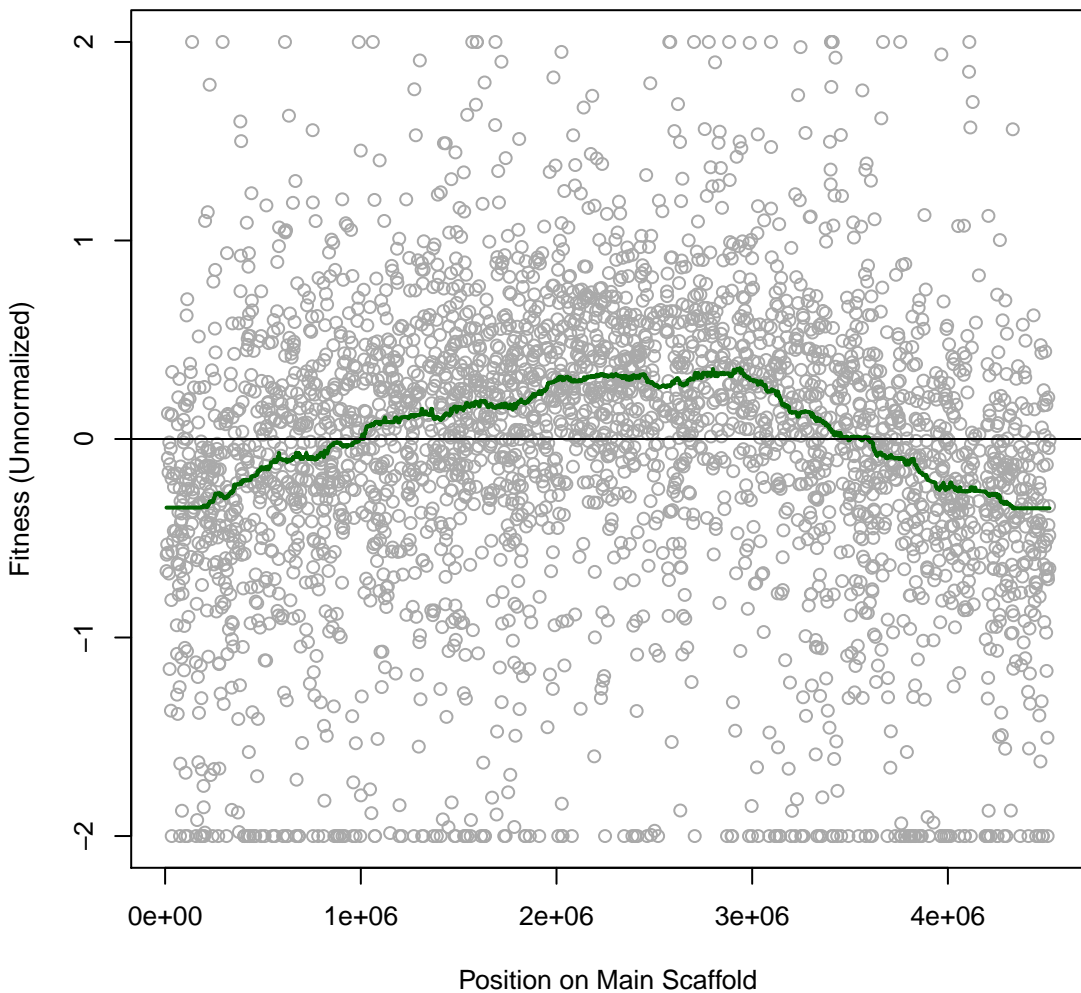
**Cup4G11 4IT089 #185 (gMed=121 rho12=0.185)**  
**Cephalothin 1.25 mg/ml**



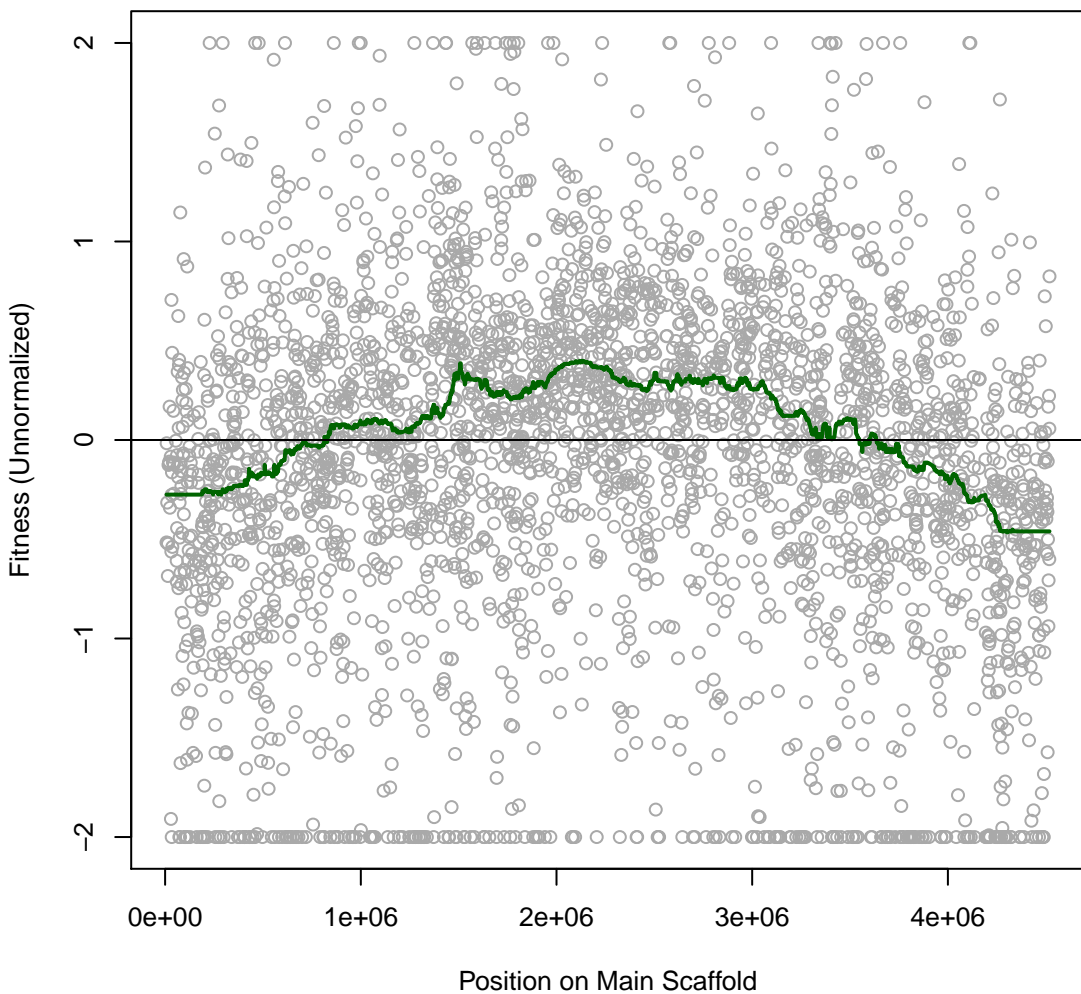
**Cup4G11 4IT090 #186 (gMed=154 rho12=0.155)**  
**A22 0.005 mg/ml**



**Cup4G11 4IT091 #187 (gMed=205 rho12=0.145)**  
**A22 0.01 mg/ml**

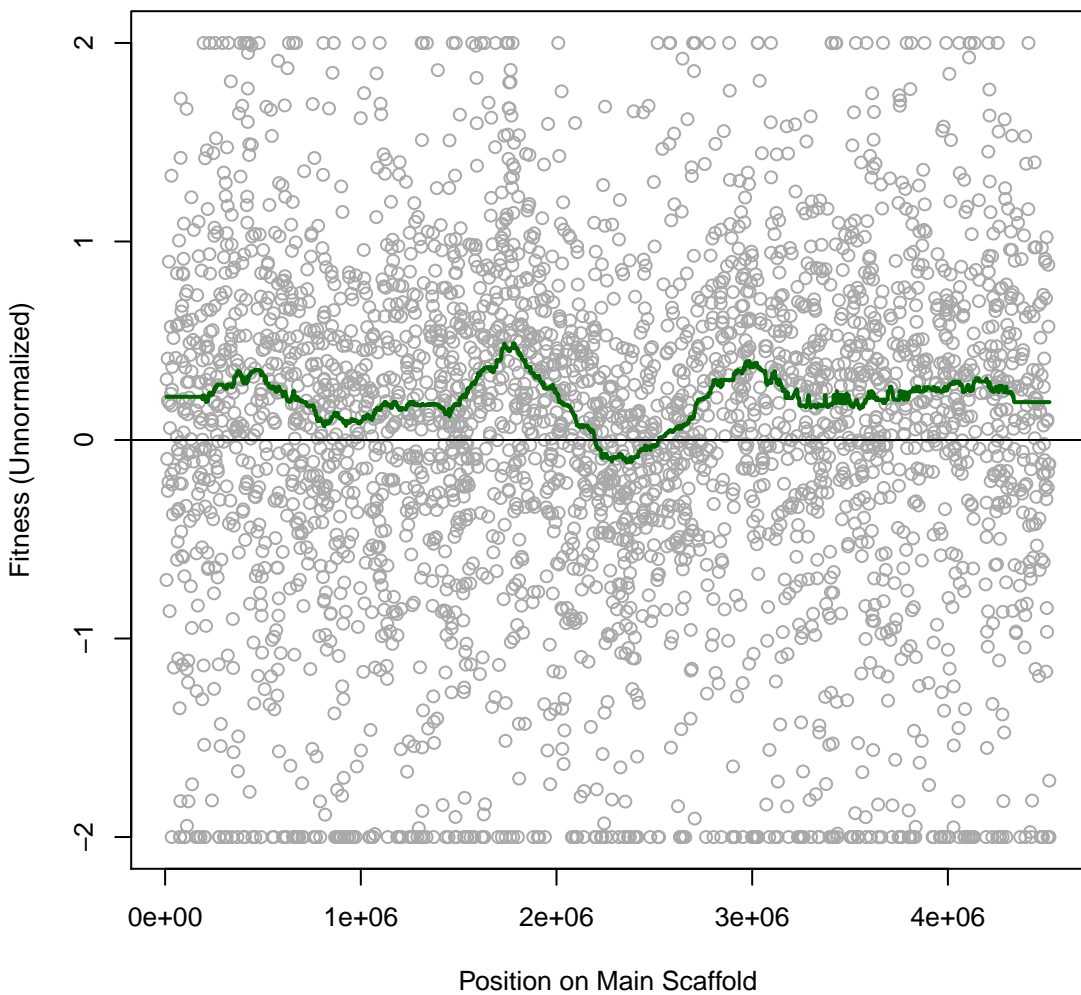


**Cup4G11 4IT092 #188 (gMed=173 rho12=0.146)**  
**A22 0.02 mg/ml**



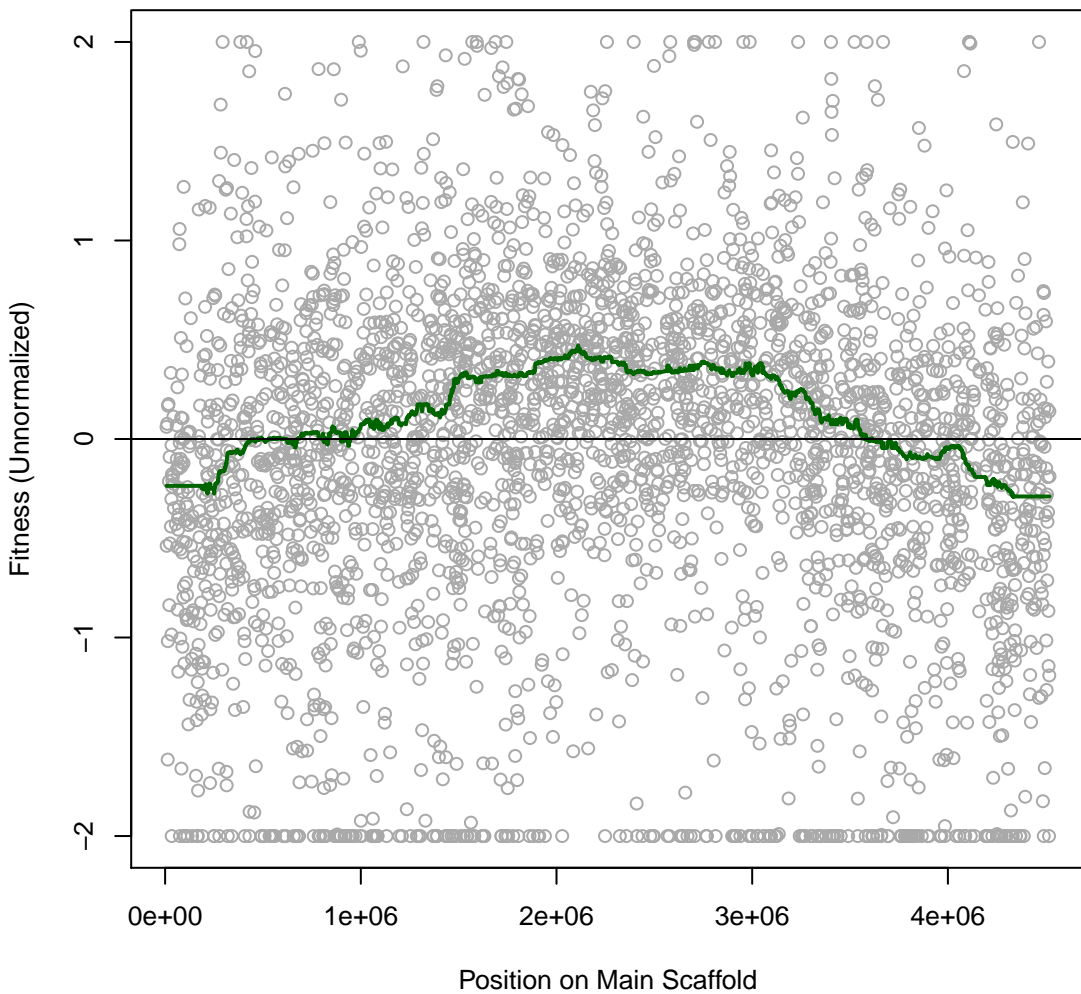


**Cup4G11 4IT093 #189 (gMed=181 rho12=0.139)**  
**Lomefloxacin 0.0005 mM**



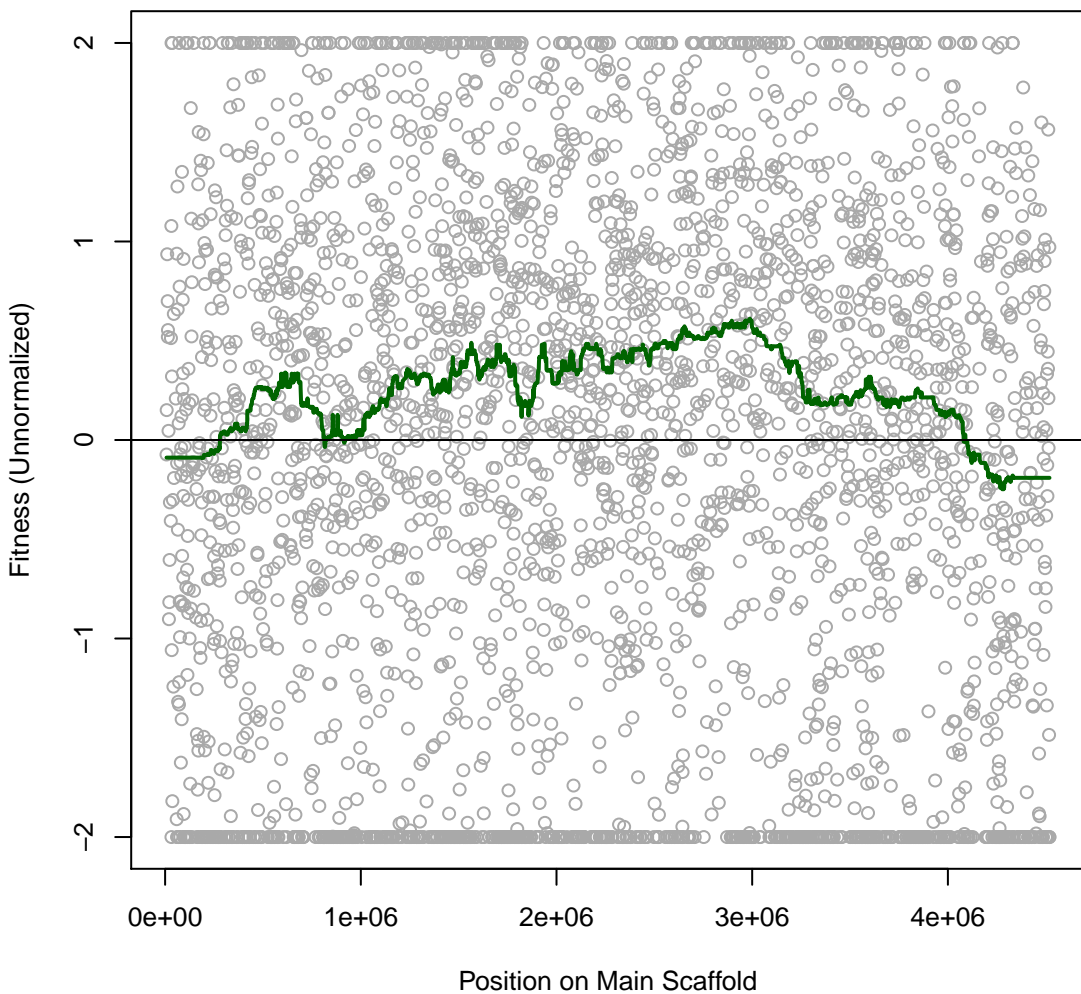
**Cup4G11 4IT094 #190 (gMed=184 rho12=0.132)**

**Neomycin 0.5 mg/ml**

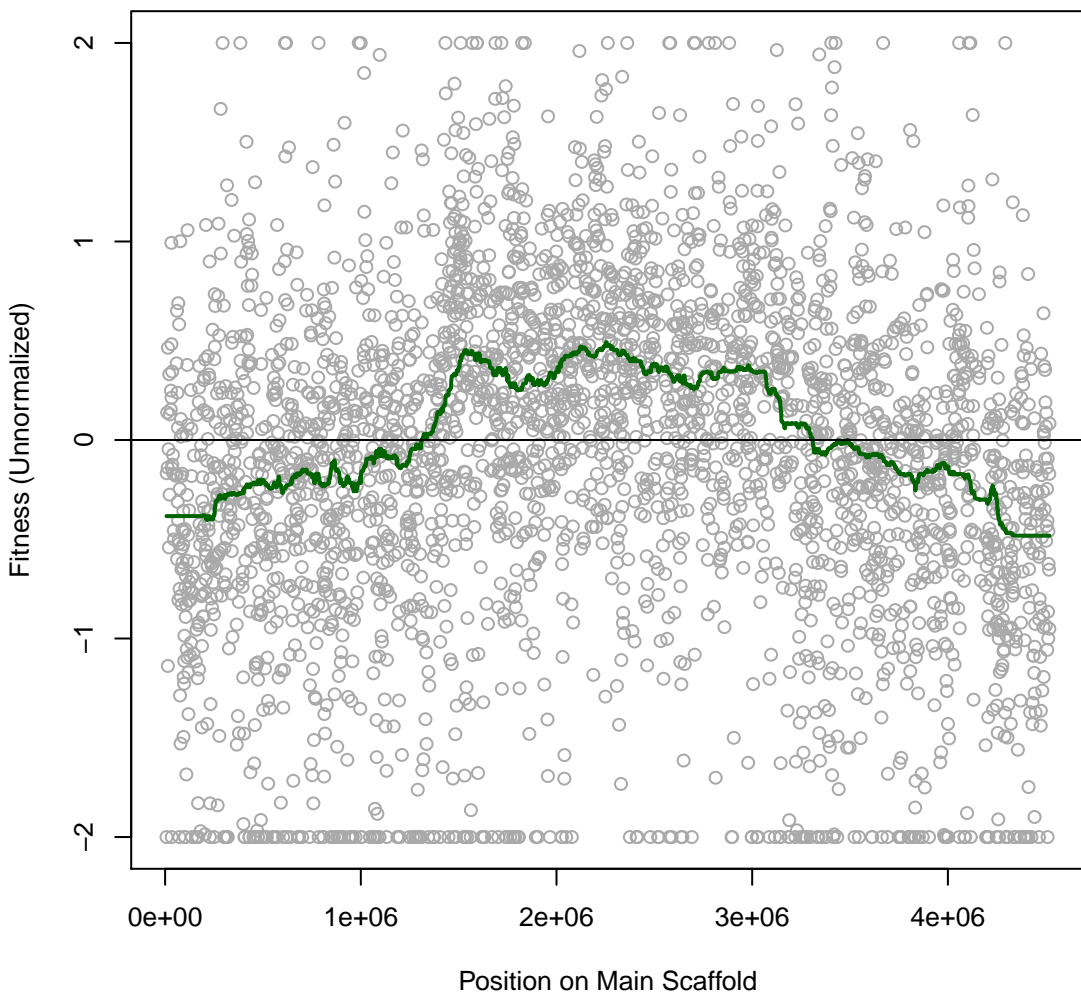




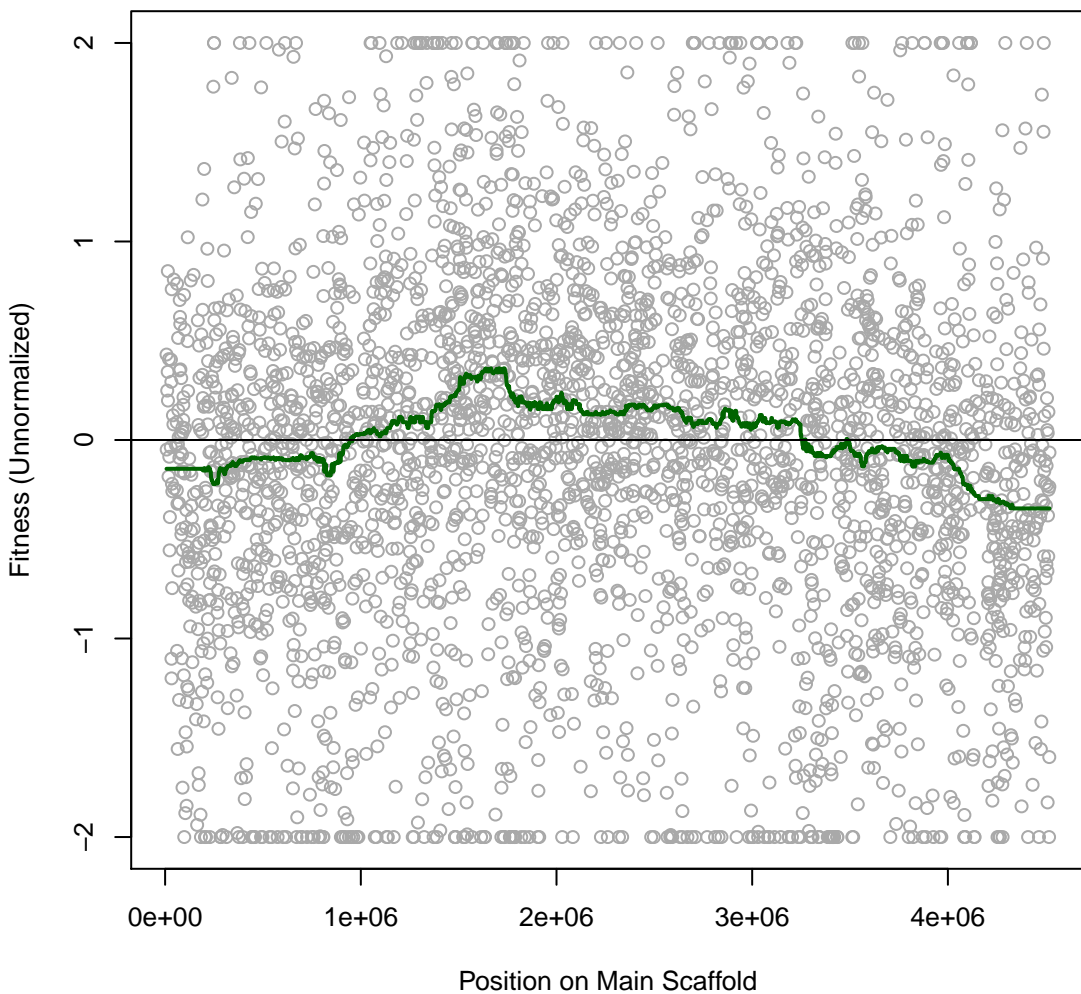
**Cup4G11 4IT095 #191 (gMed=156 rho12=0.109)**  
**Doxycycline hyclate 0.0001 mg/ml**



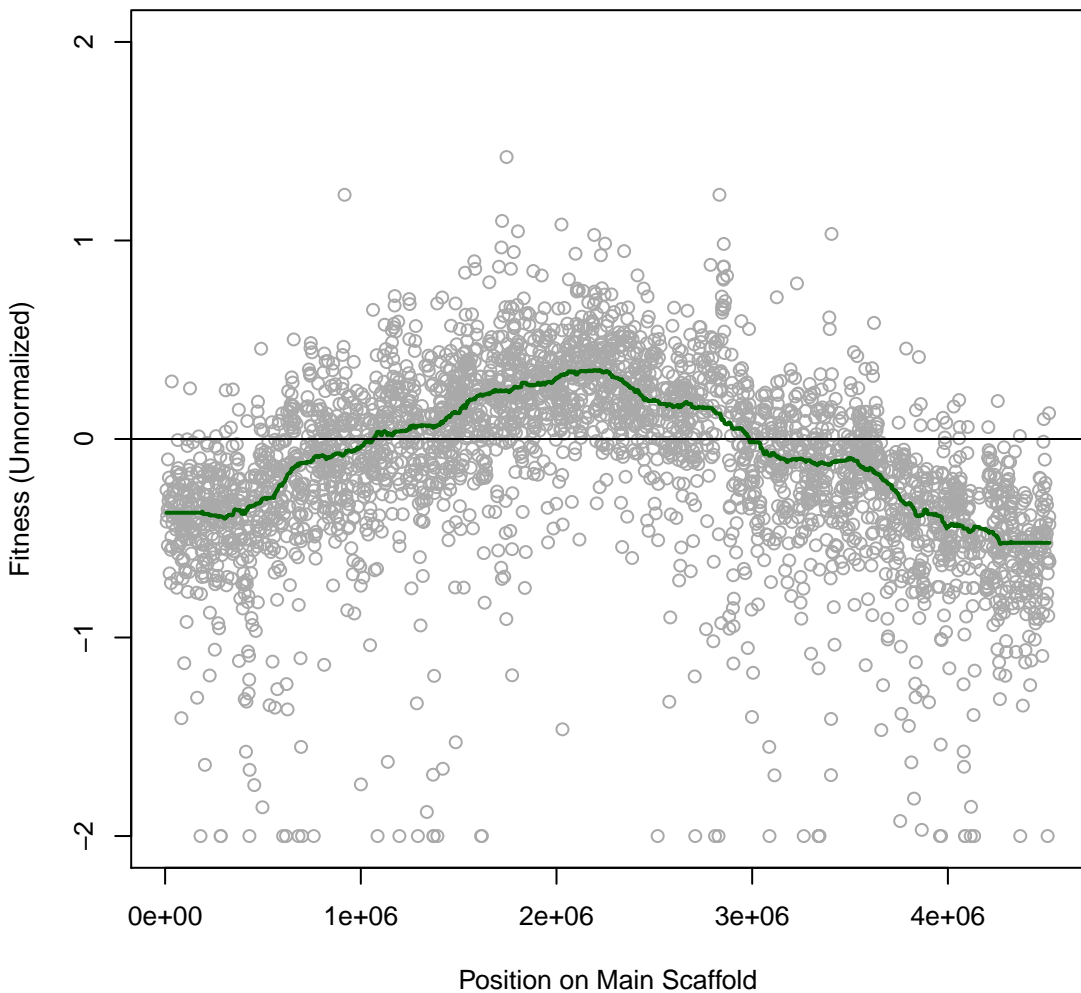
**Cup4G11 4IT096 #192 (gMed=172 rho12=0.162)**  
**LB**



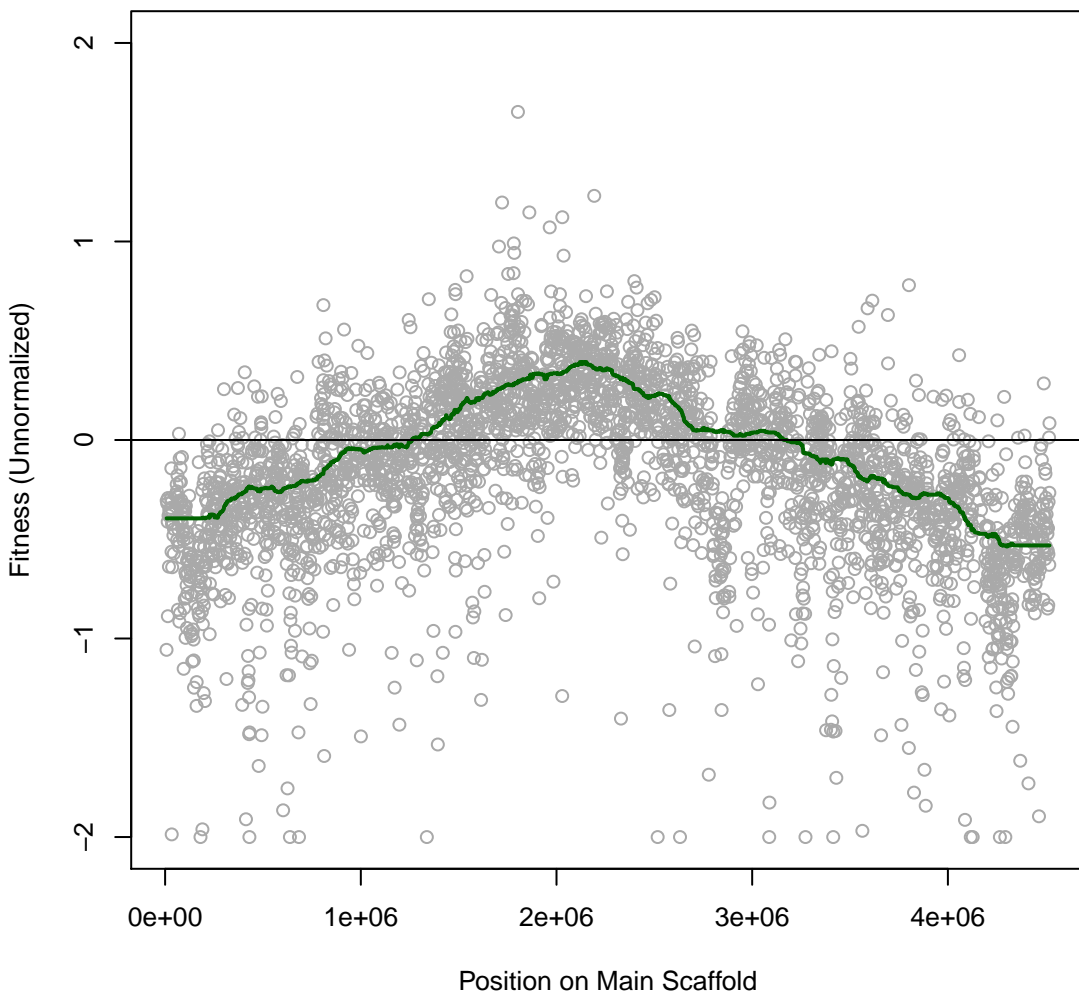
**Cup4G11 5IT001 #193 (gMed=142 rho12=0.094)**  
**R2A with Aluminum chloride 1.5 mM**



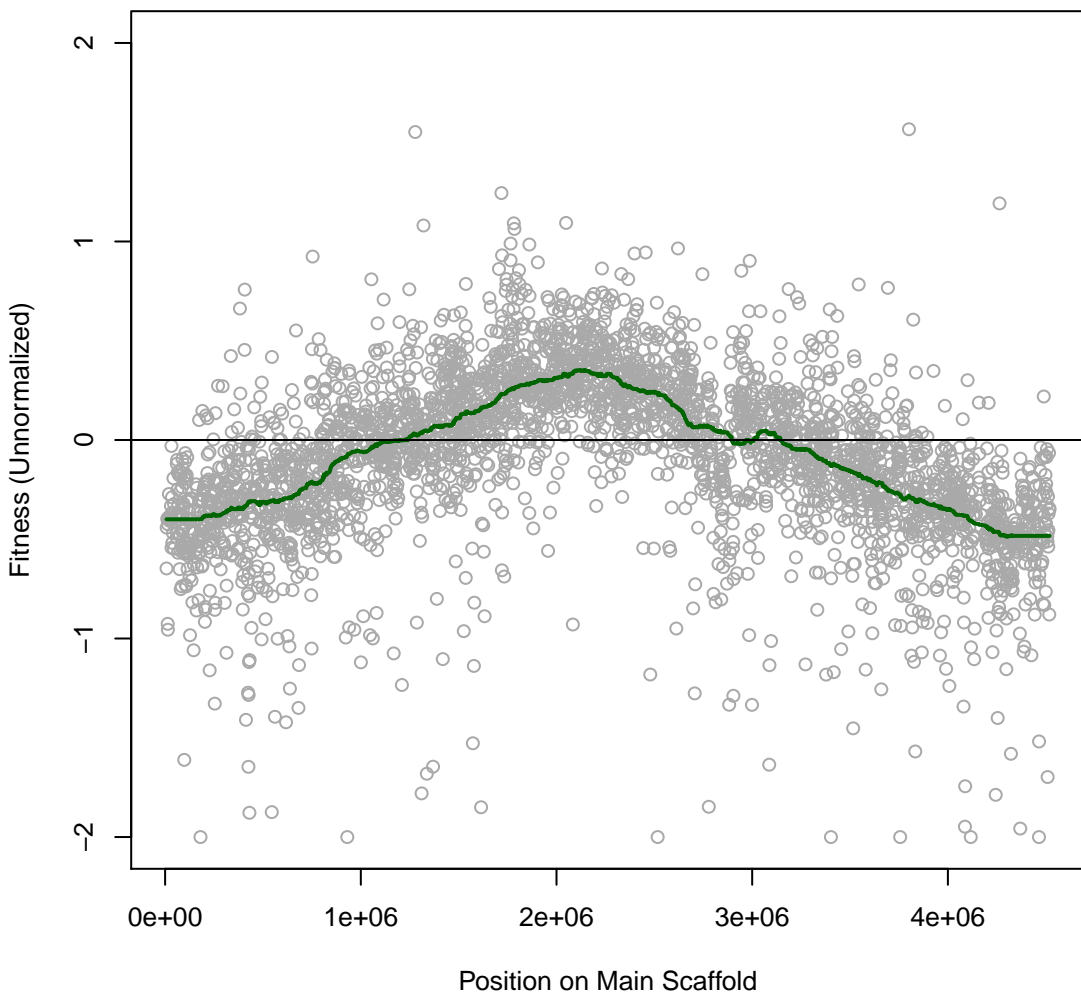
**Cup4G11 5IT002 #194 (gMed=243 rho12=0.221)**  
**R2A with Bacitracin 0.5 mg/ml**



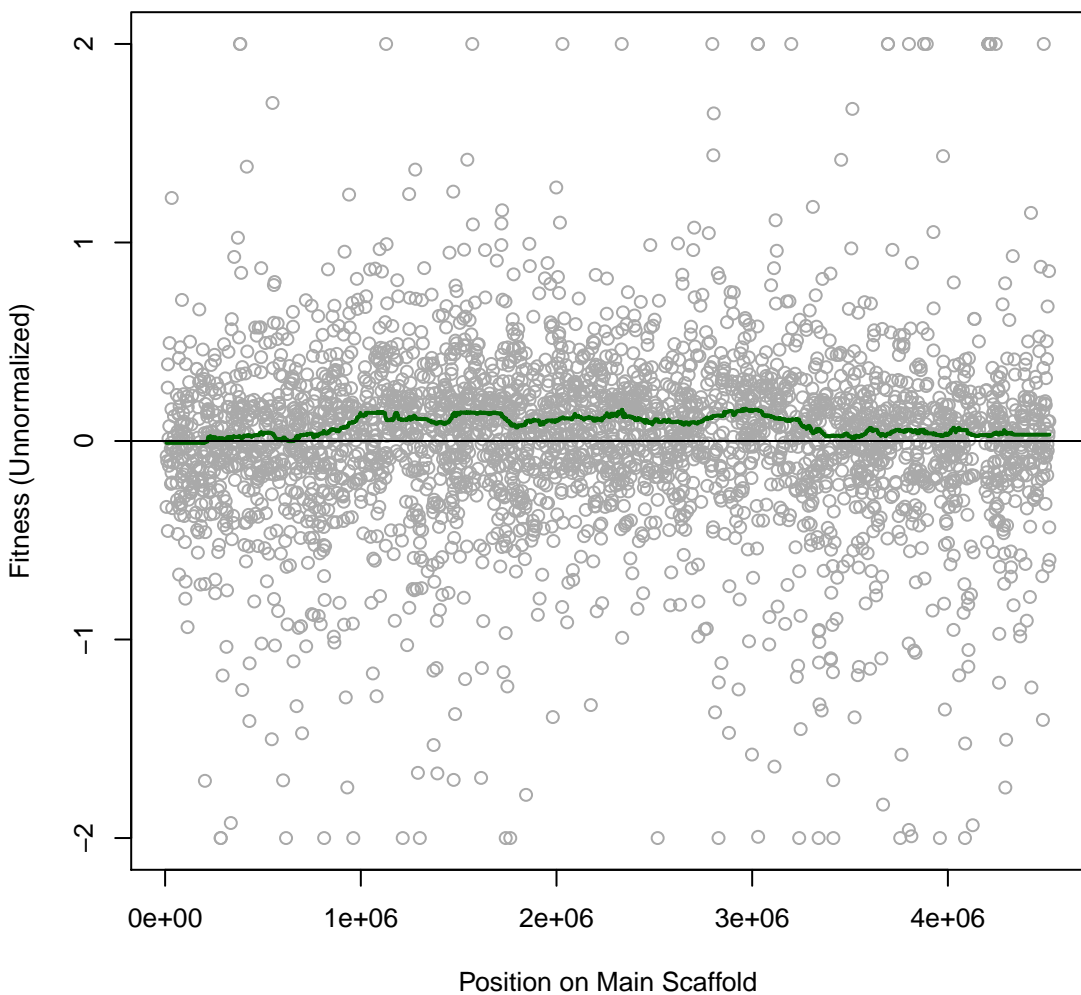
**Cup4G11 5IT003 #195 (gMed=214 rho12=0.227)**  
**R2A with Dimethyl Sulfoxide 5 vol%**



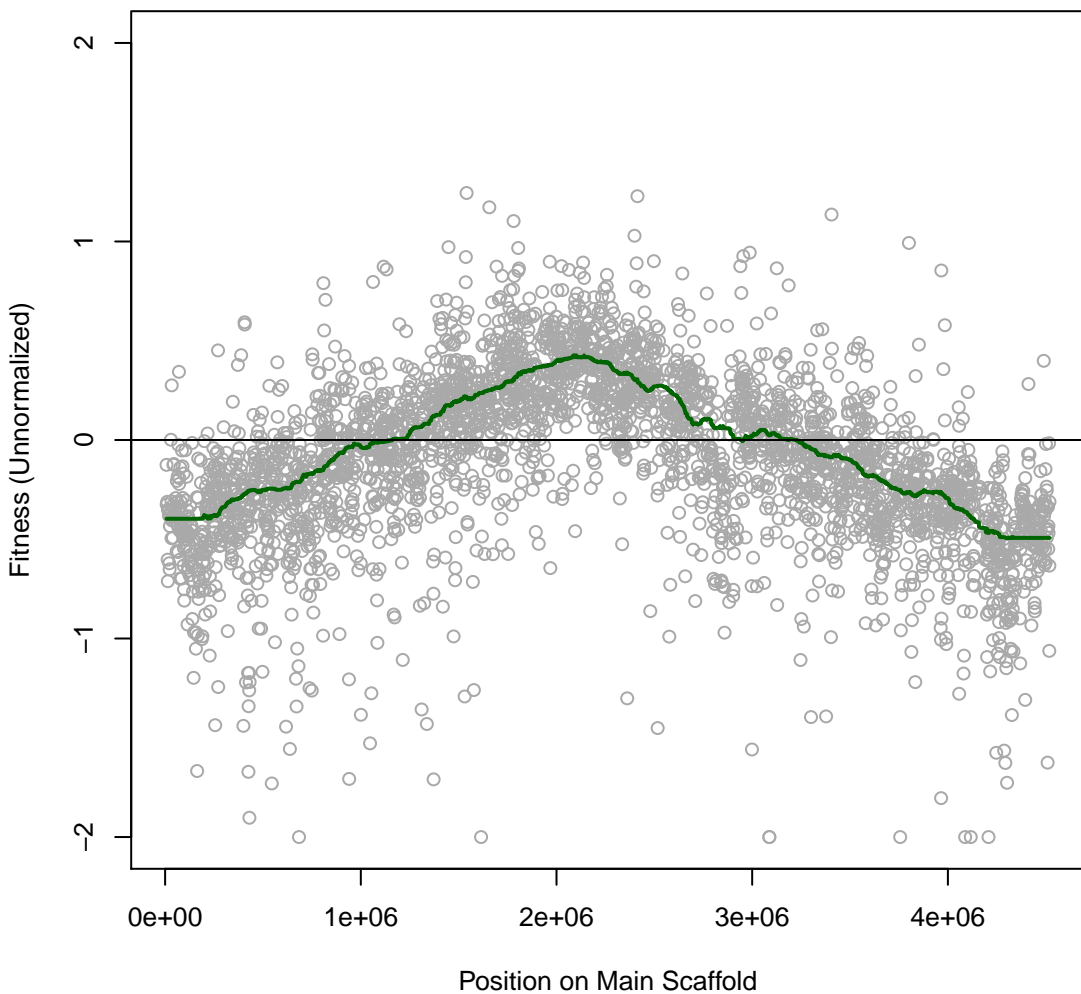
**Cup4G11 5IT004 #196 (gMed=209 rho12=0.111)**  
**R2A**



**Cup4G11 5IT005 #197 (gMed=64 rho12=0.101)**  
**R2A with Vancomycin 0.5 mg/ml**

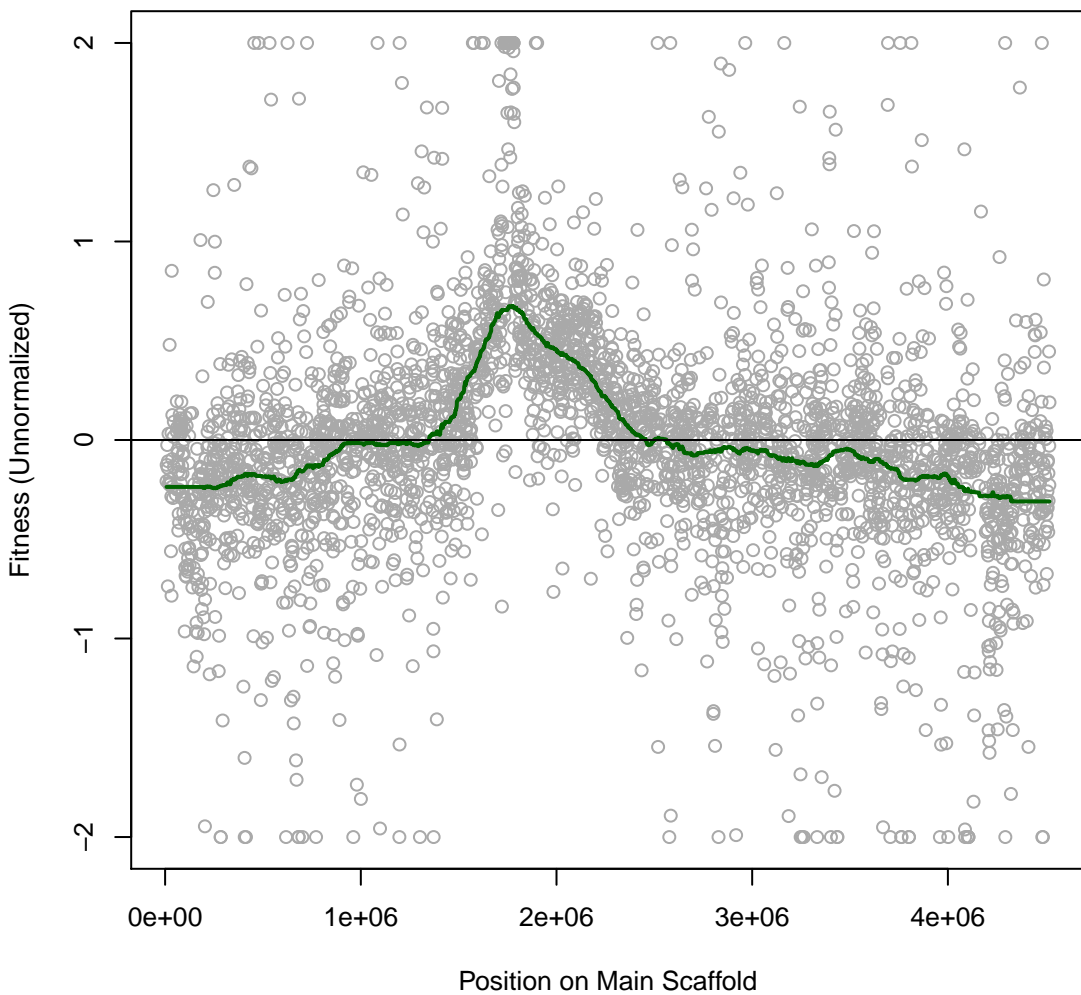


**Cup4G11 5IT006 #198 (gMed=247 rho12=0.142)**  
**R2A with Cephalothin 0.25 mg/ml**

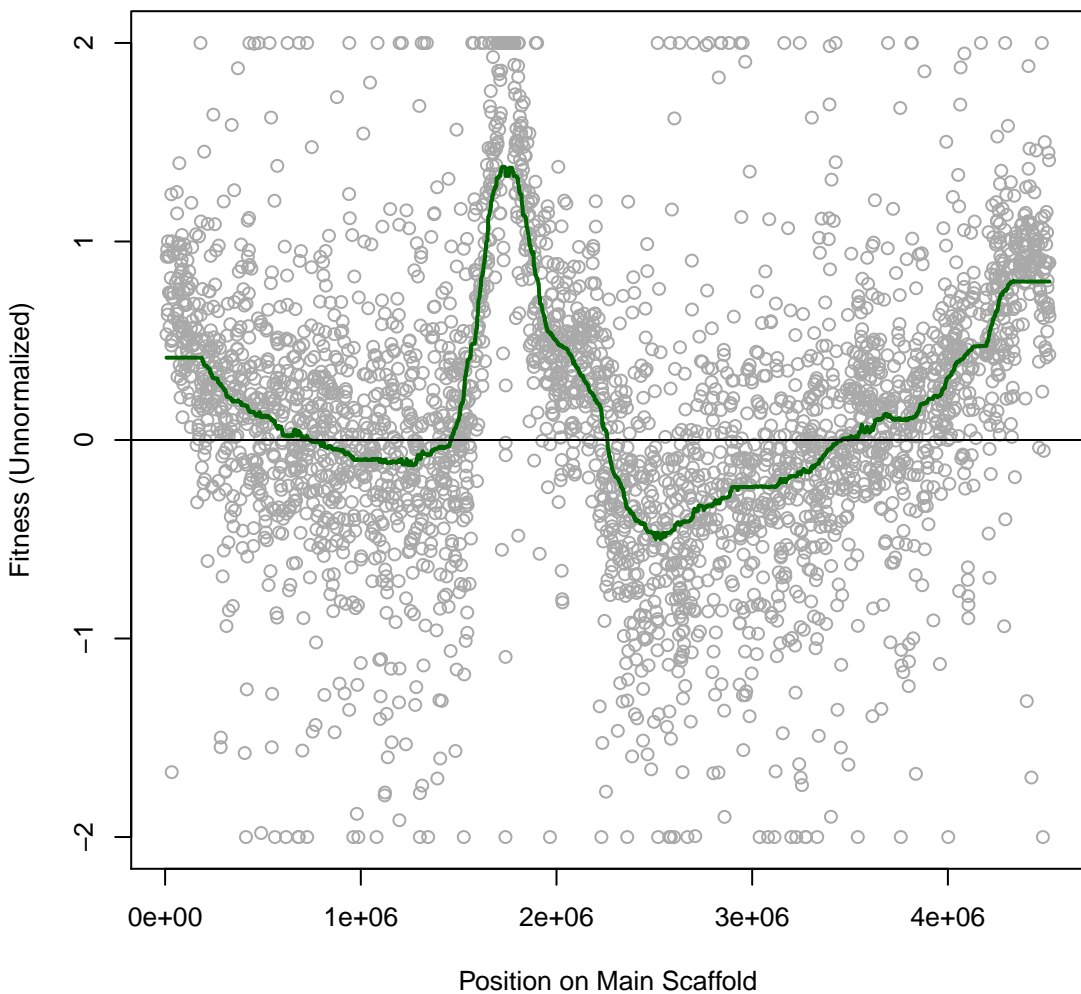




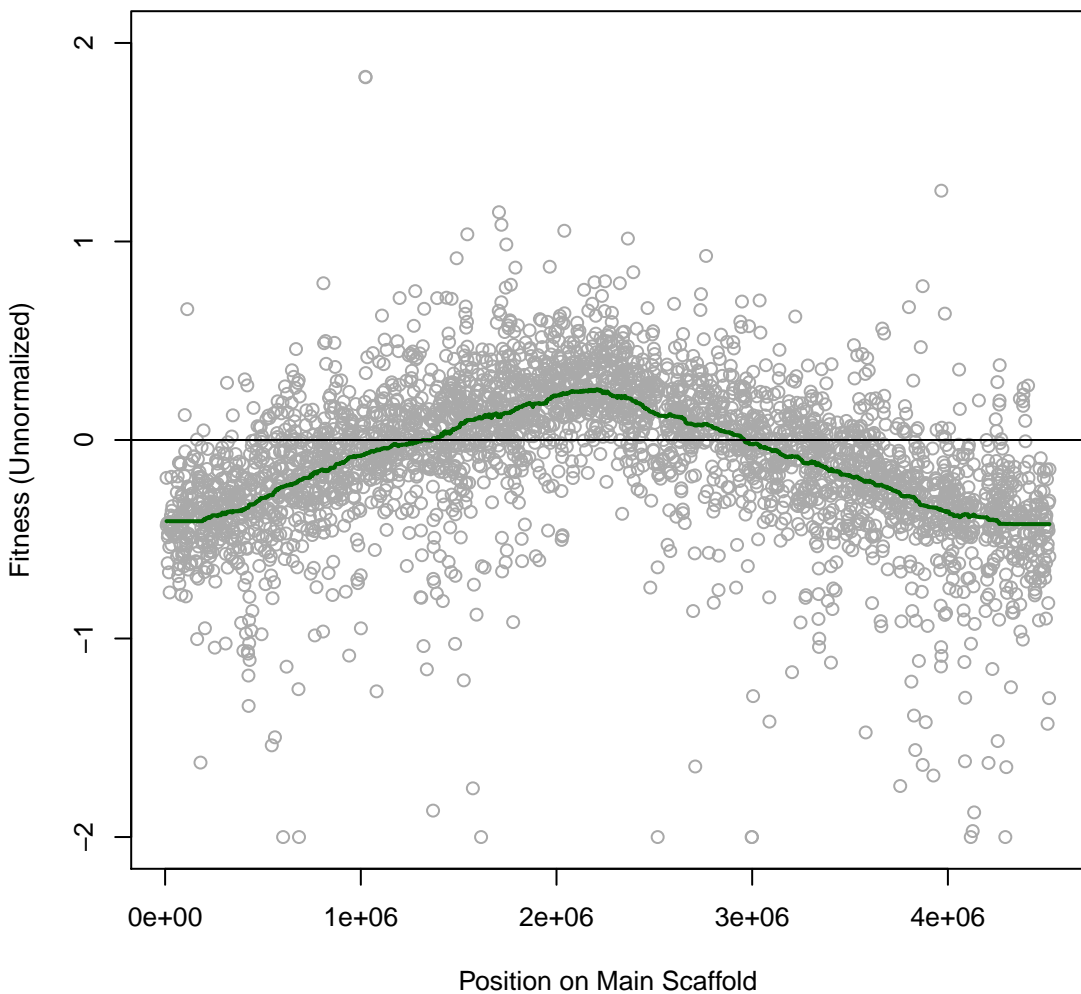
**Cup4G11 5IT007 #199 (gMed=205 rho12=0.208)**  
**R2A with Lomefloxacin 0.00075 mM**



**Cup4G11 5IT008 #200 (gMed=62 rho12=0.133)**  
**R2A with Lomefloxacin 0.001 mM**

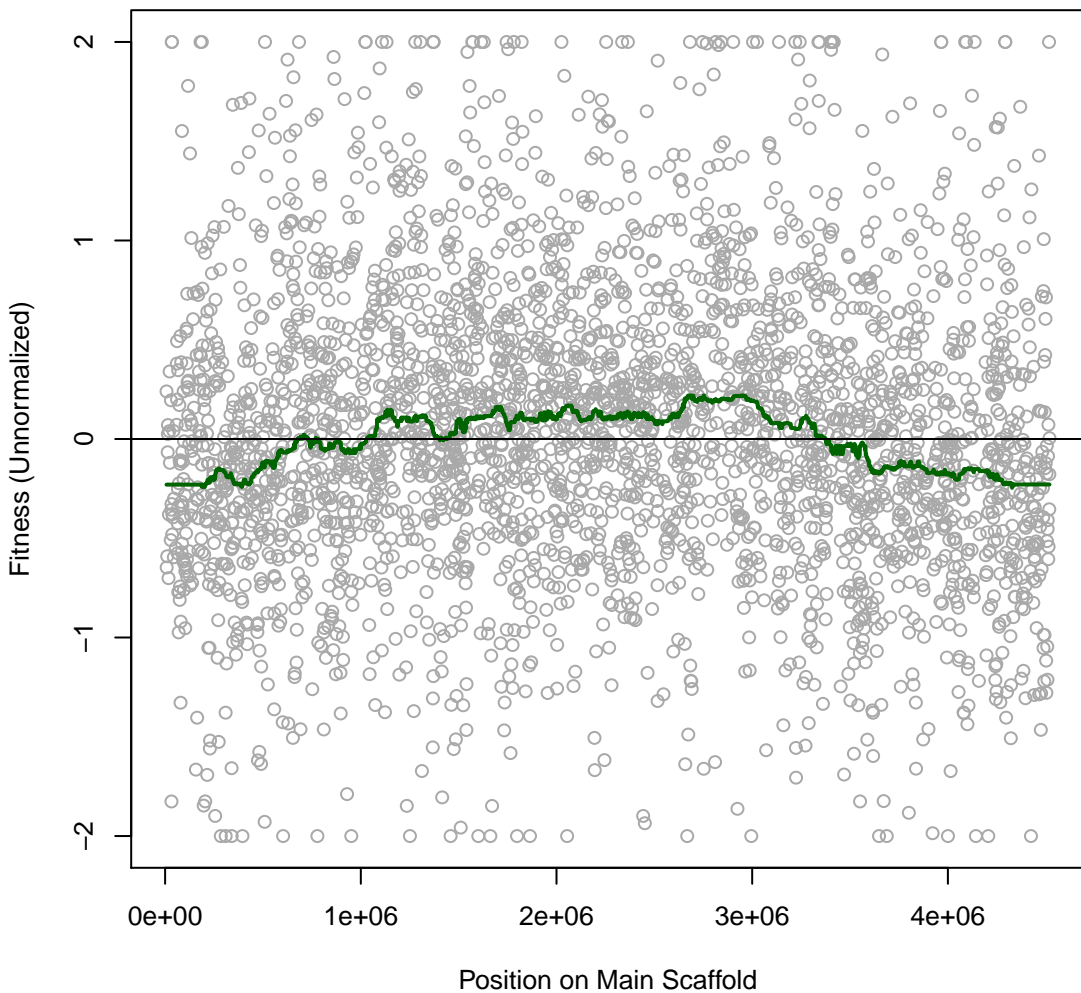


**Cup4G11 5IT009 #201 (gMed=211 rho12=0.105)**  
**R2A with D-Cycloserine 0.01 mg/ml**

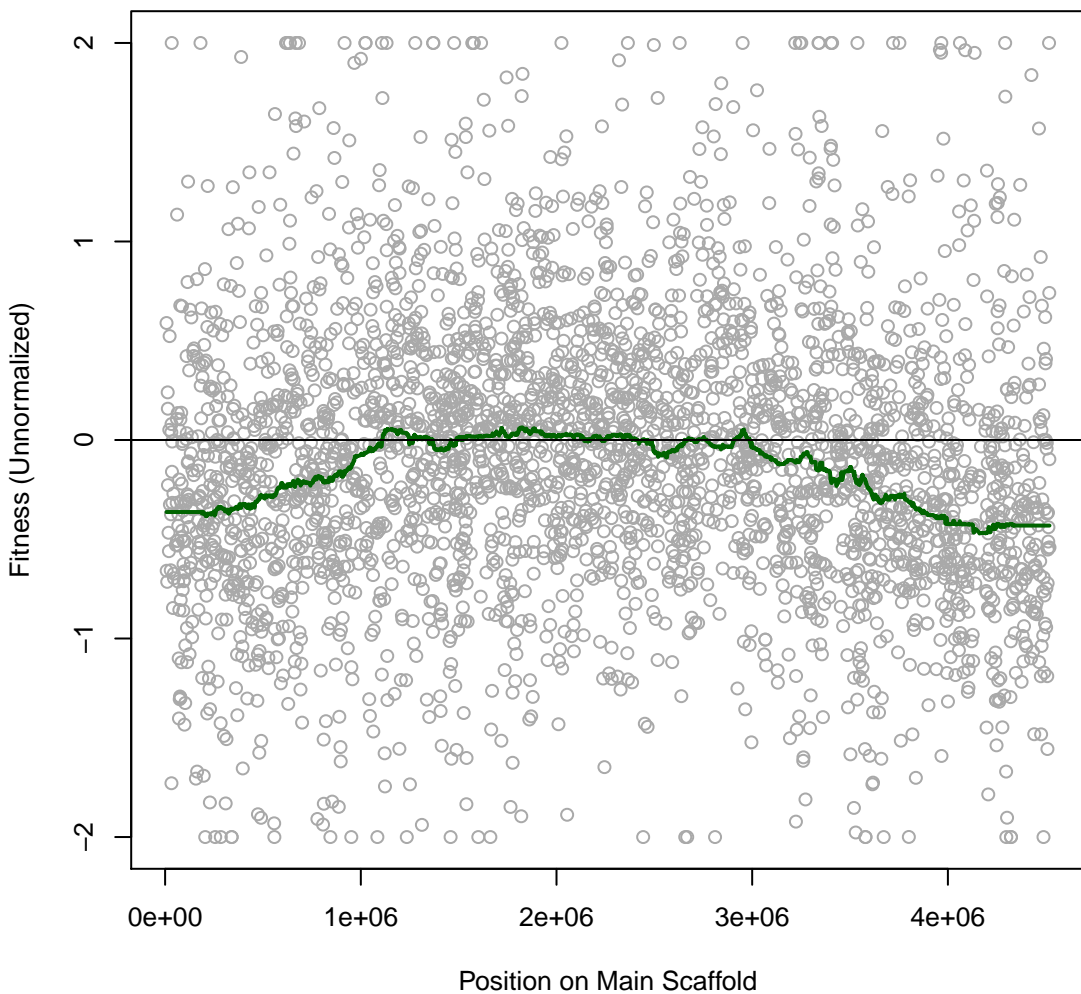


**Cup4G11 5IT010 #202 (gMed=1 rho12=0.060)**

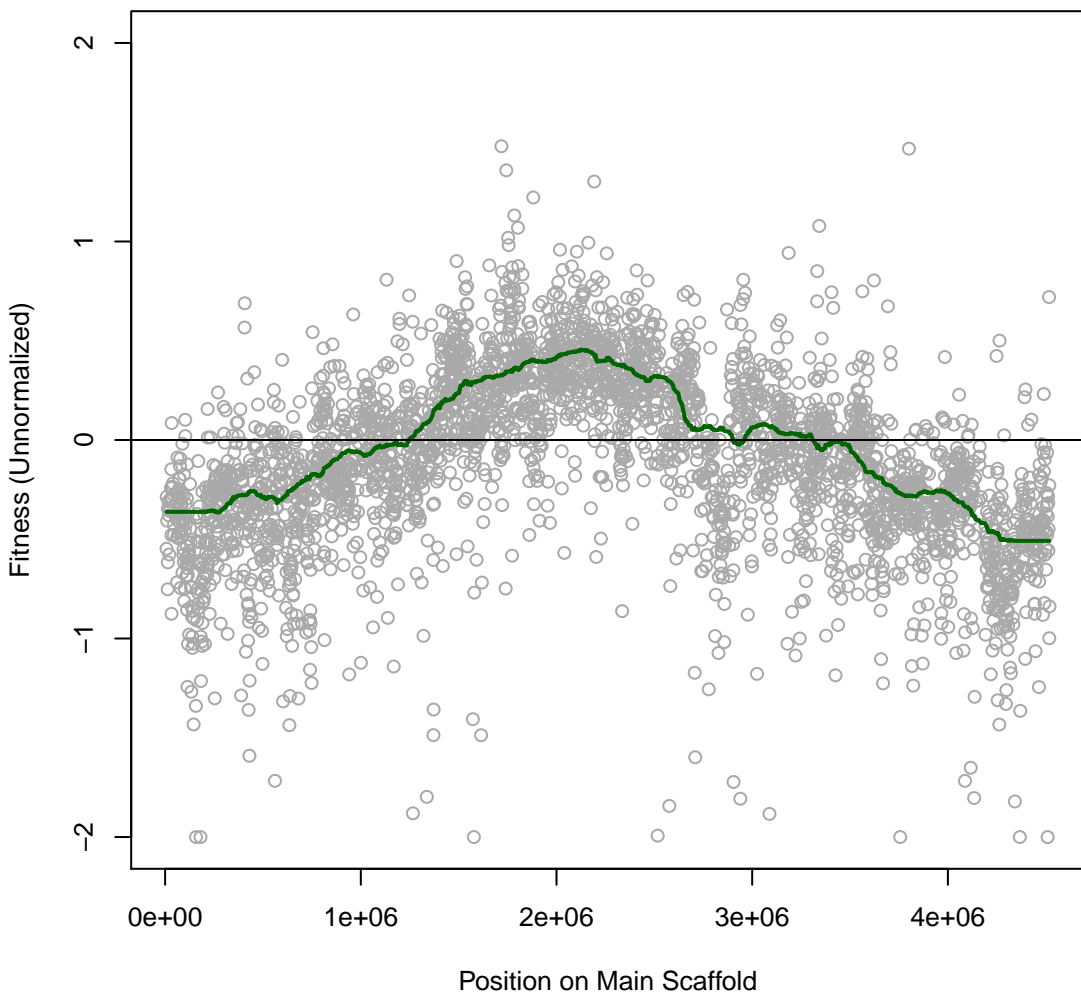
**R2A with D-Cycloserine 0.5 mg/ml**



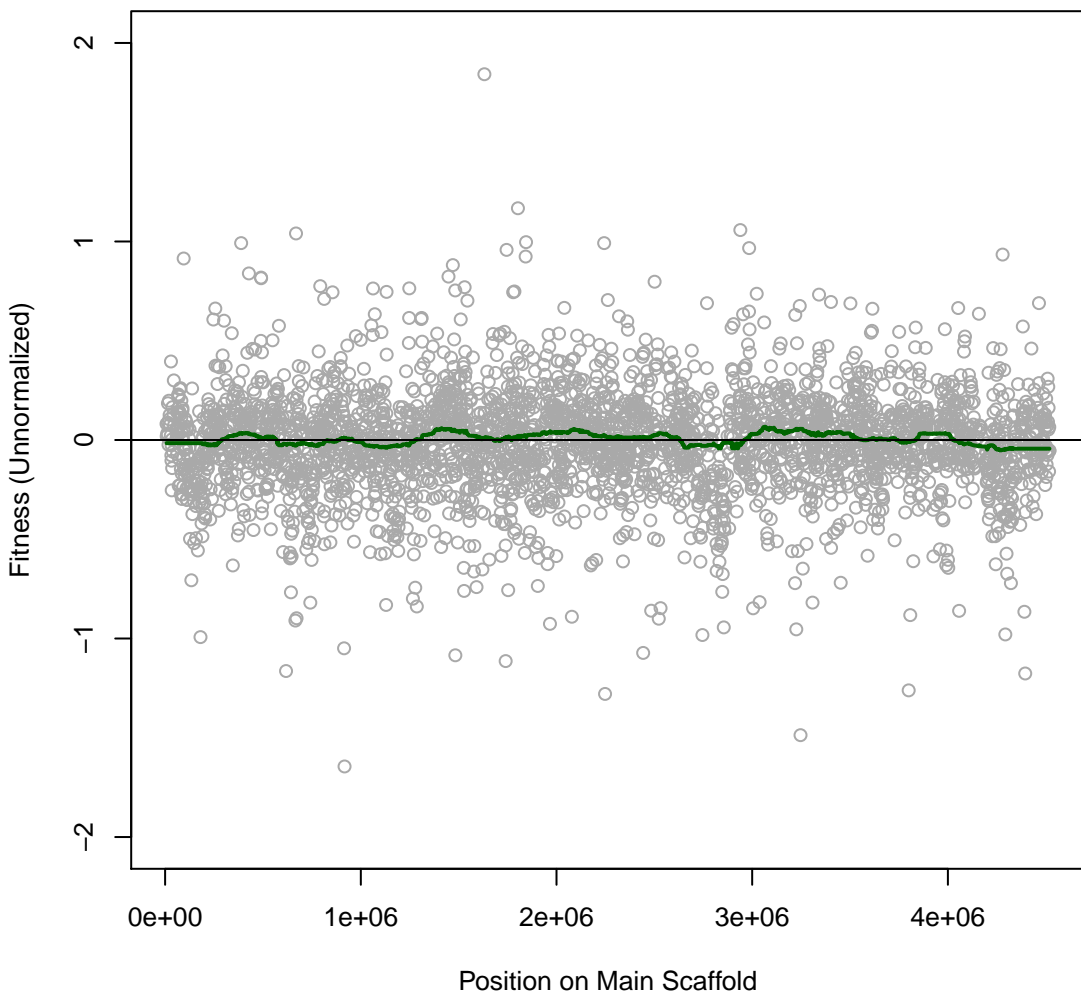
**Cup4G11 5IT011 #203 (gMed=4 rho12=0.041)**  
**R2A with Doxycycline hyclate 0.0004 mg/ml**



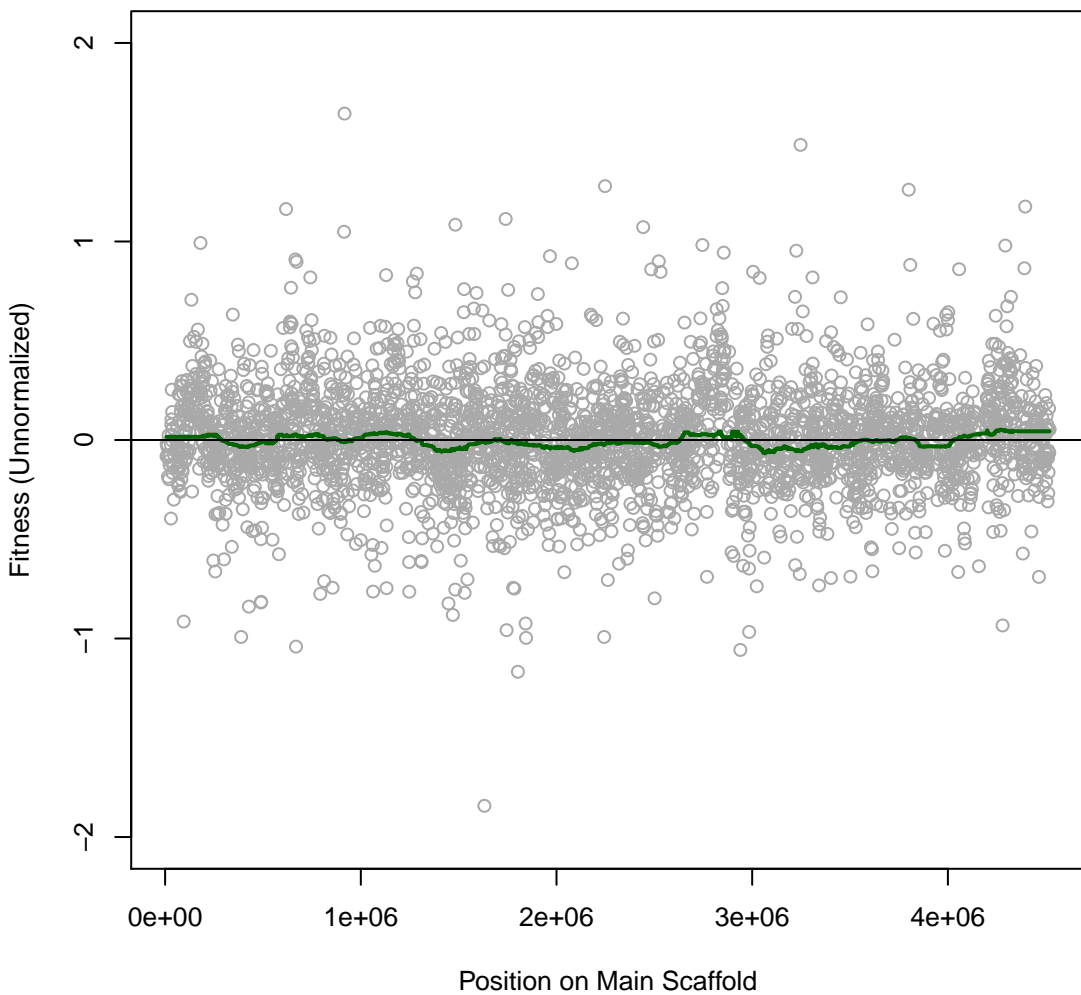
**Cup4G11 5IT012 #204 (gMed=237 rho12=0.202)**  
**R2A**



**Cup4G11 5IT013 #205 (gMed=261 rho12=0.070)**  
**Time0**

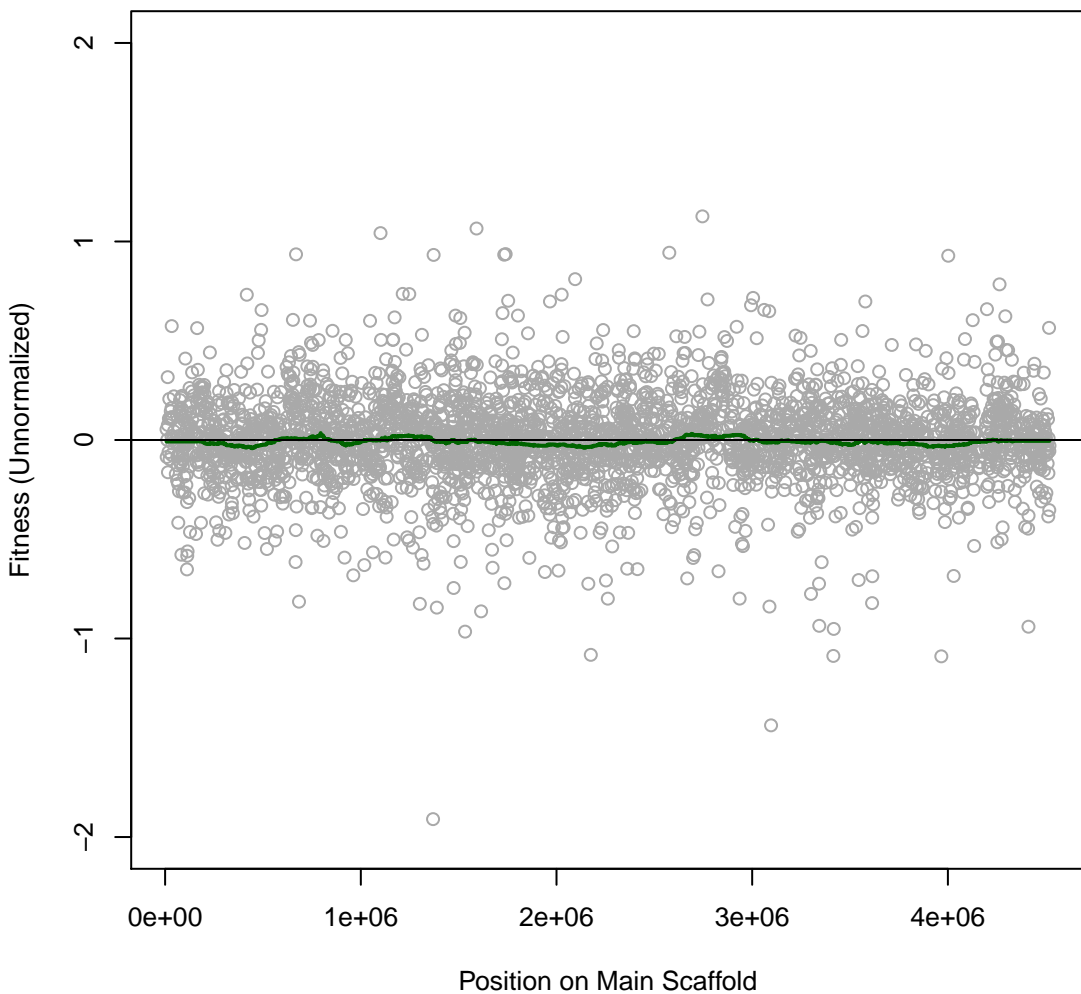


**Cup4G11 5IT014 #206 (gMed=229 rho12=0.070)**  
**Time0**

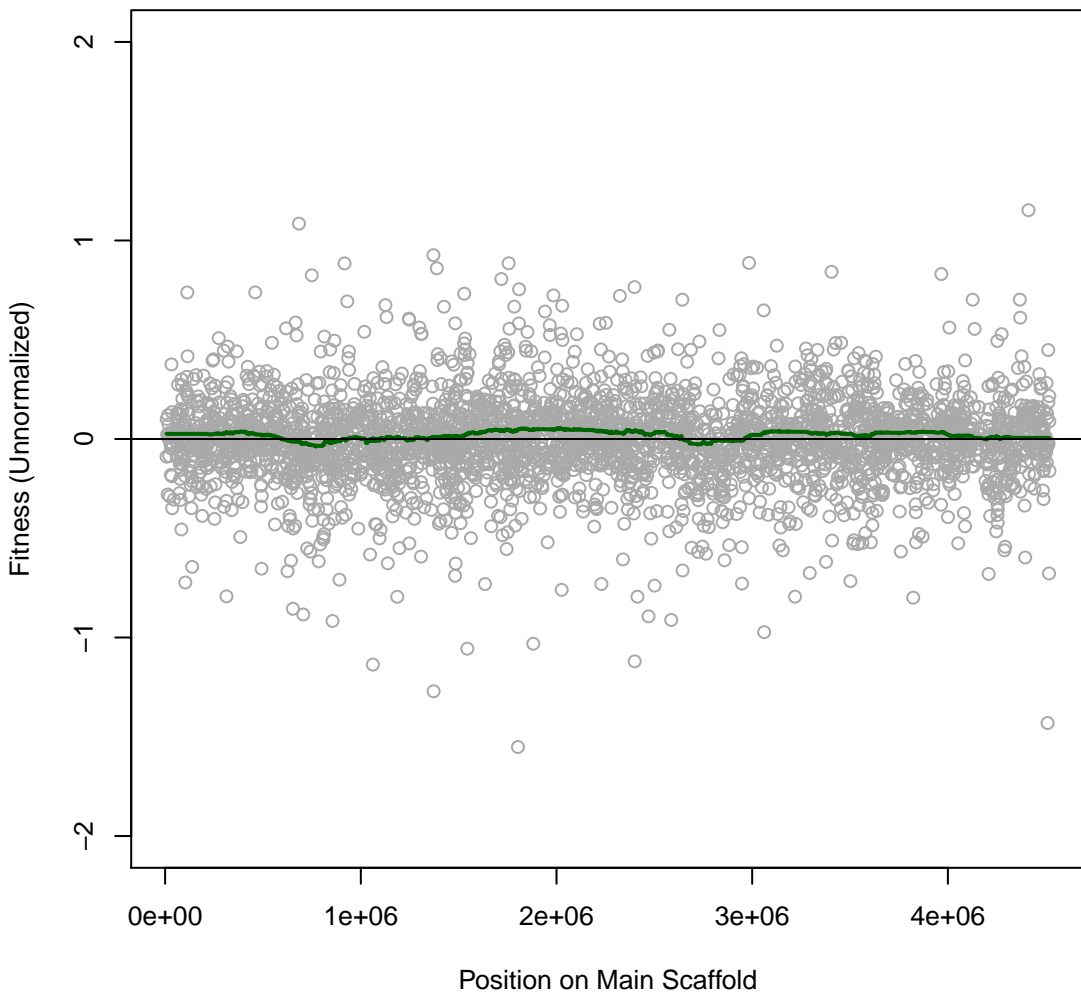




**Cup4G11 5IT015 #207 (gMed=240 rho12=0.031)**  
**Time0**

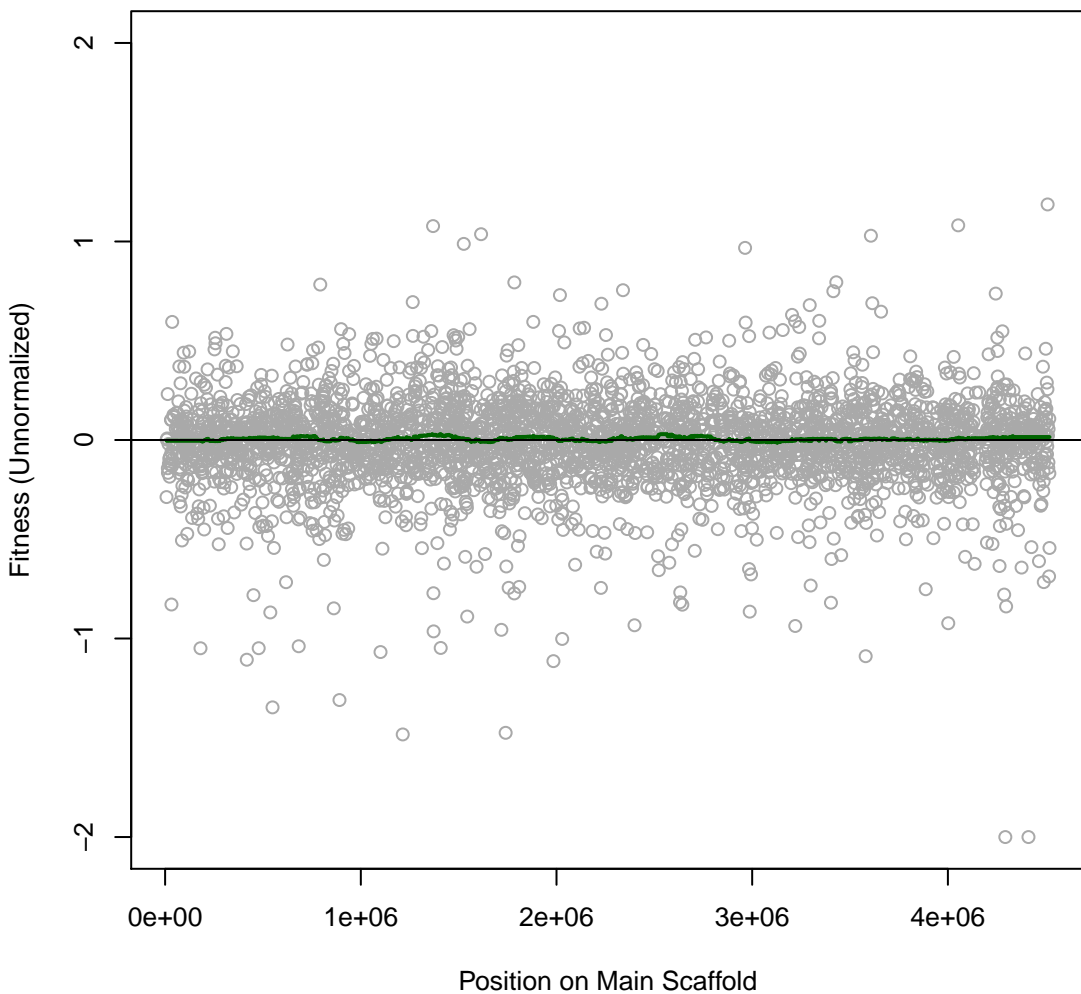


**Cup4G11 5IT016 #208 (gMed=244 rho12=-0.002)**  
**Time0**

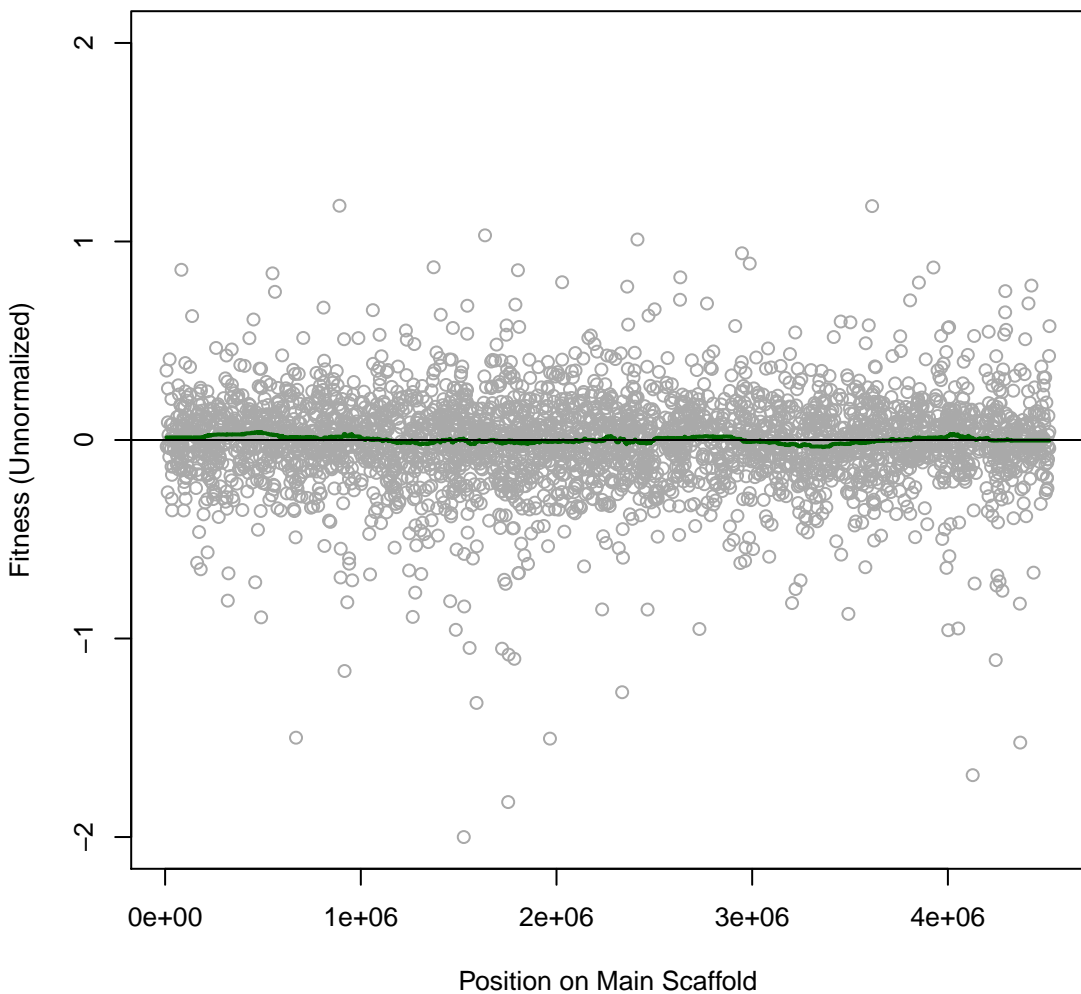


**Cup4G11 5IT017 #209 (gMed=207 rho12=-0.004)**

**Time0**

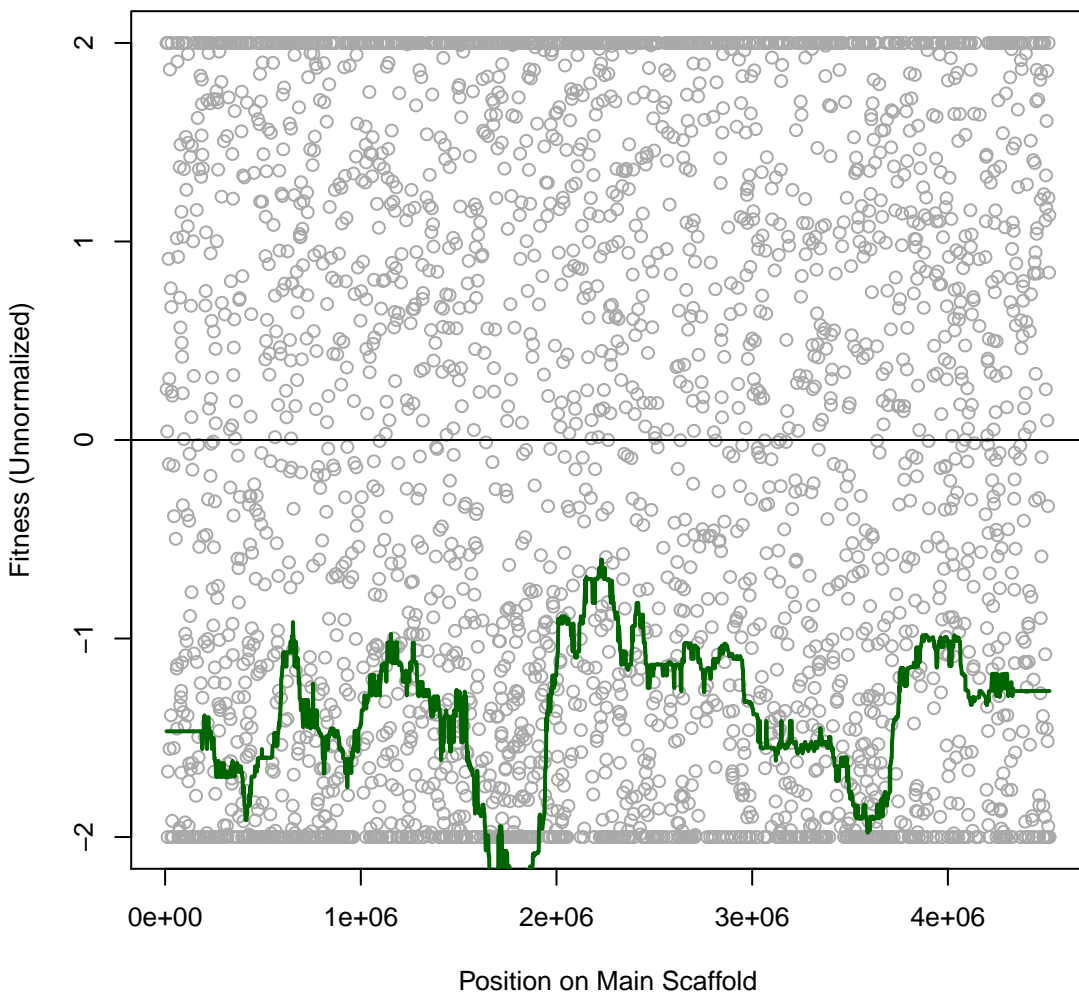


**Cup4G11 5IT018 #210 (gMed=211 rho12=0.010)**  
**Time0**



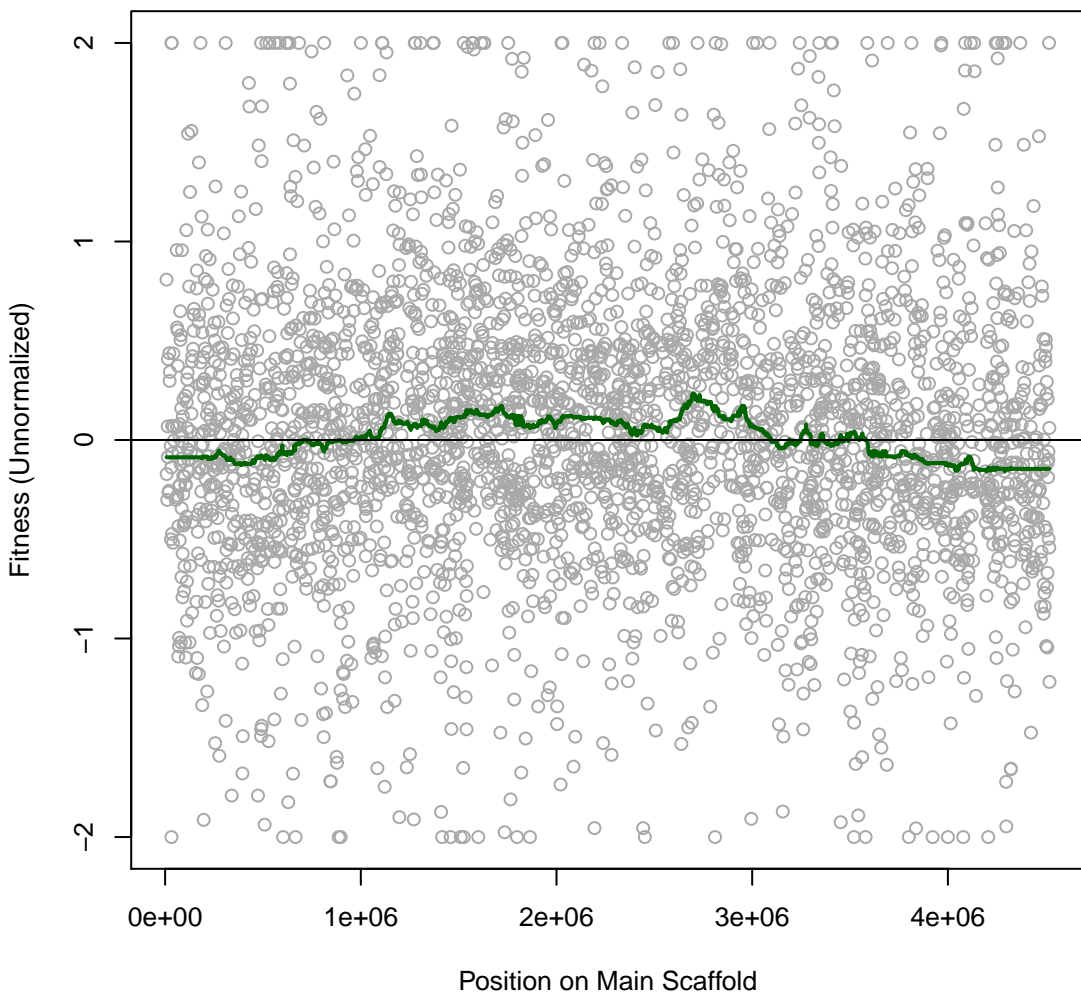
**Cup4G11 5IT019 #211 (gMed=53 rho12=0.058)**

**Tetracycline 0.0001 mg/ml**

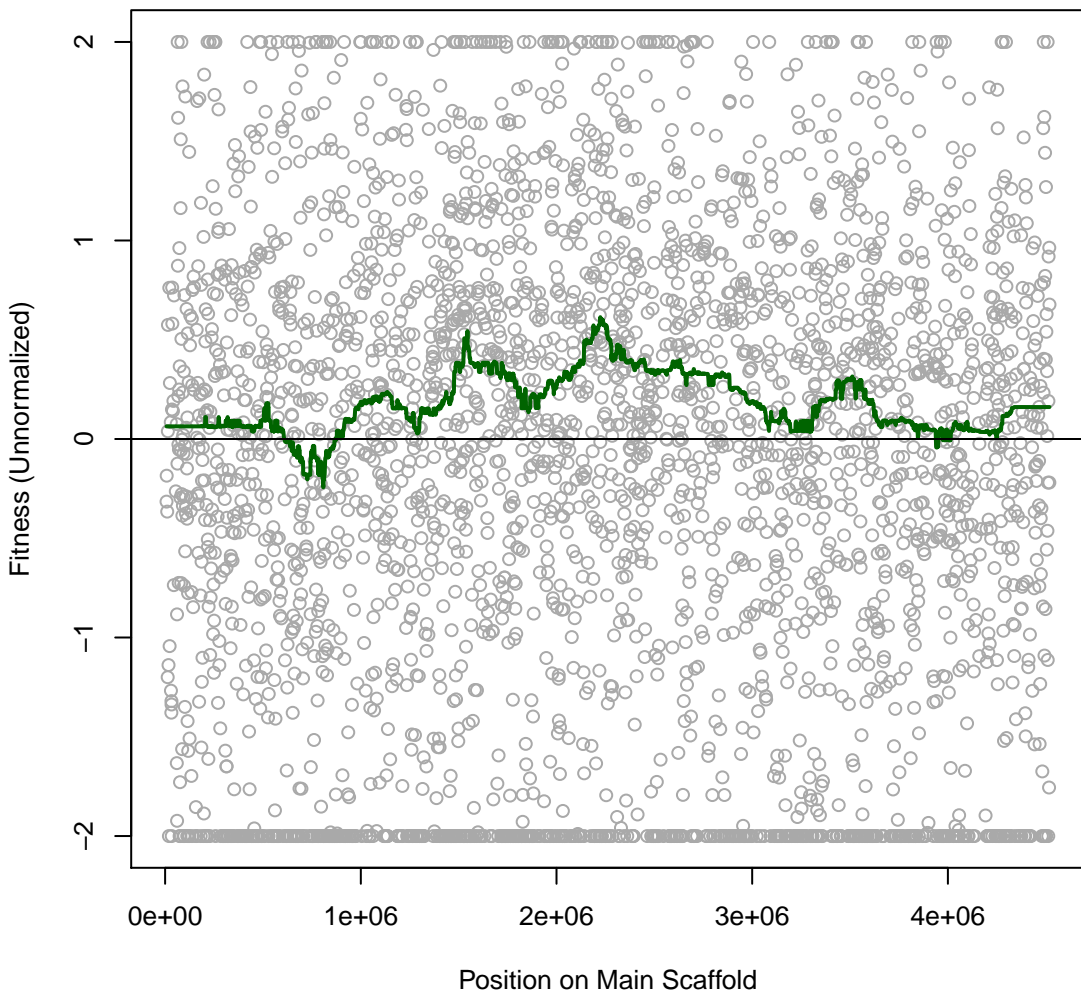


**Cup4G11 5IT020 #212 (gMed=2 rho12=0.047)**

**Tetracycline 0.00025 mg/ml**

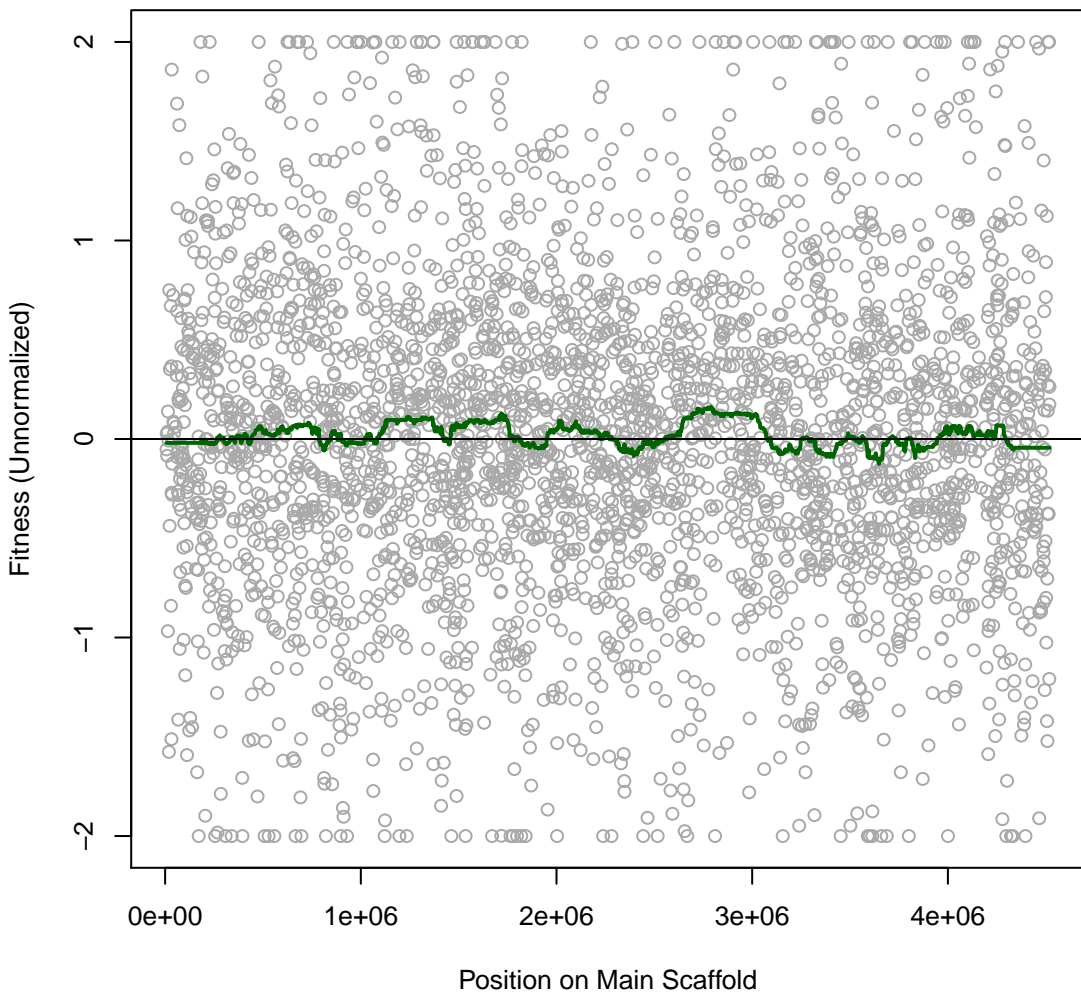


**Cup4G11 5IT021 #213 (gMed=180 rho12=0.052)**  
**Spectinomycin 0.01 mg/ml**



**Cup4G11 5IT022 #214 (gMed=7 rho12=0.037)**

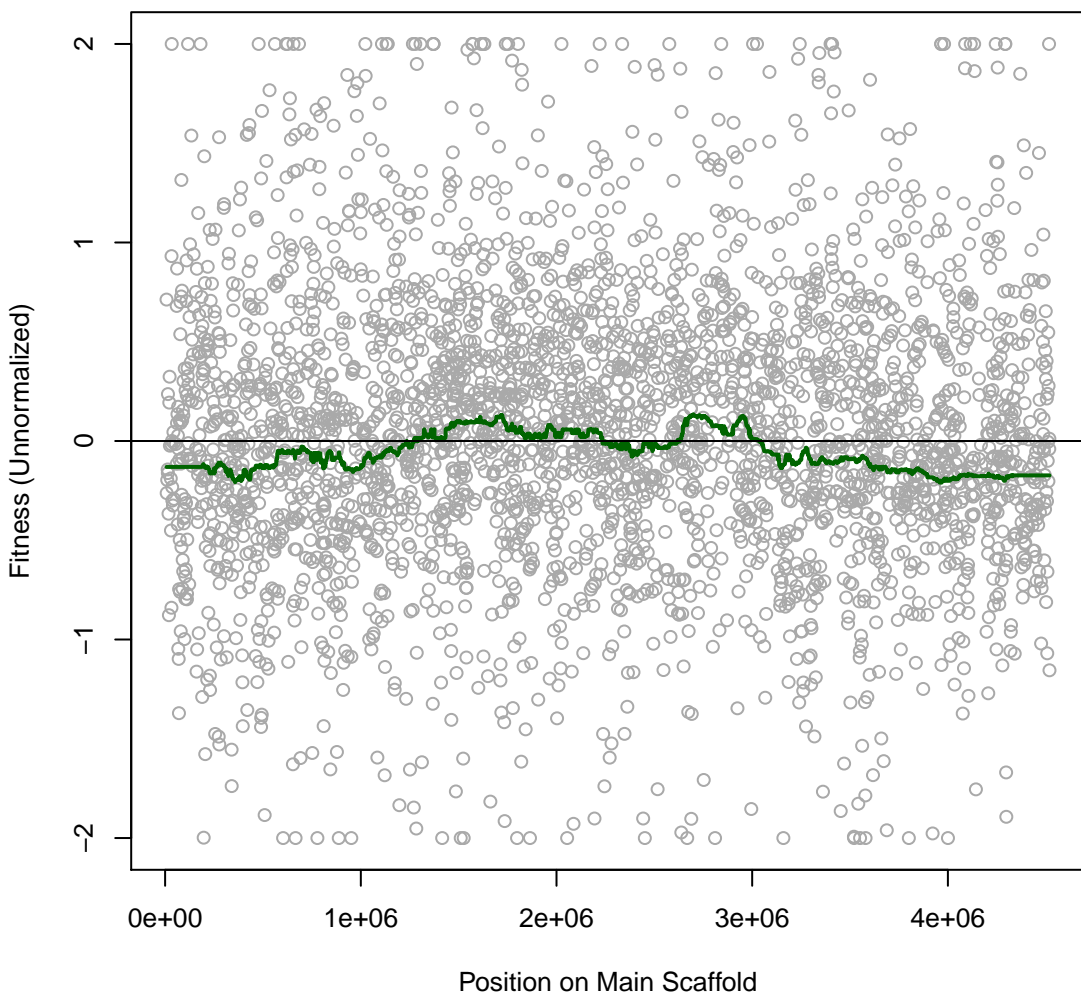
**Spectinomycin 0.025 mg/ml**





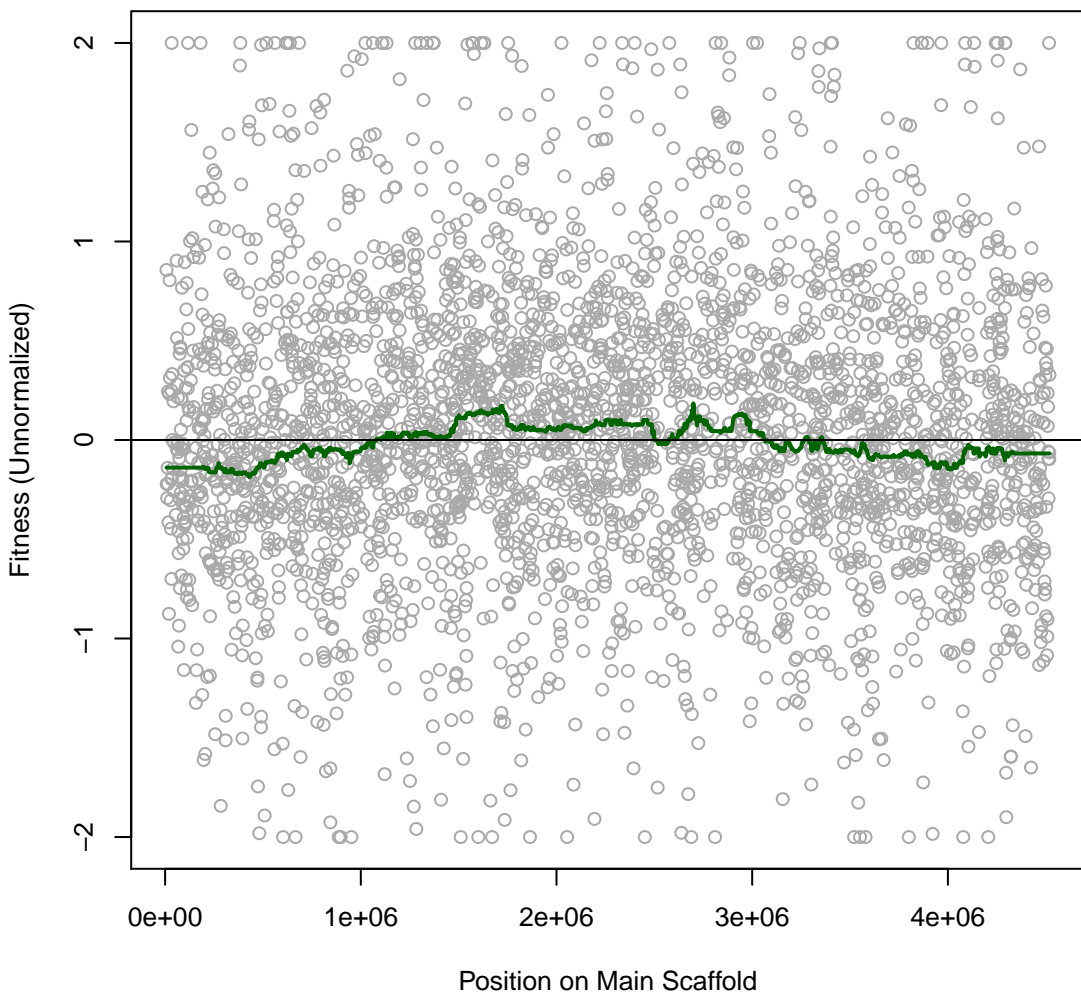
**Cup4G11 5IT023 #215 (gMed=1 rho12=0.017)**

**Spectinomycin 0.05 mg/ml**



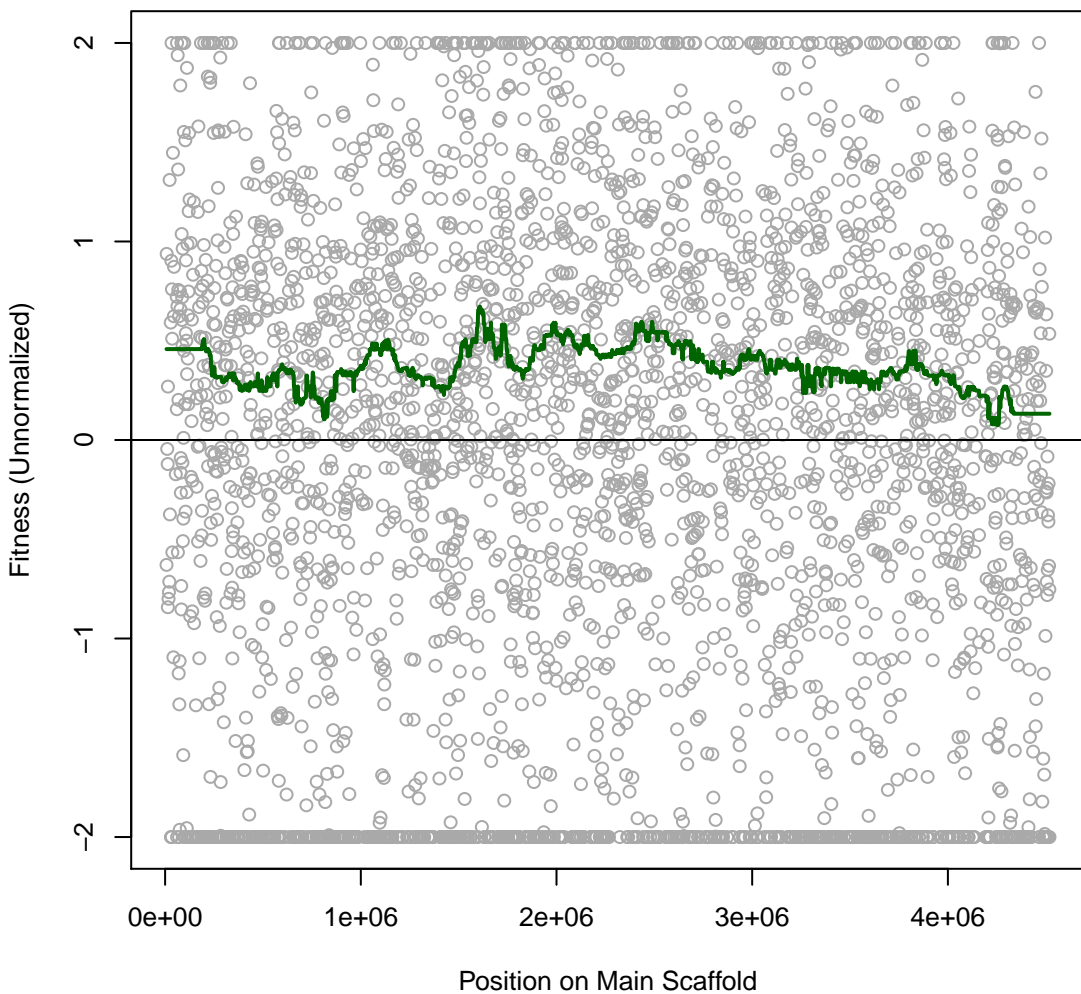
**Cup4G11 5IT024 #216 (gMed=1 rho12=0.065)**

**Carbenicillin 0.1 mg/ml**

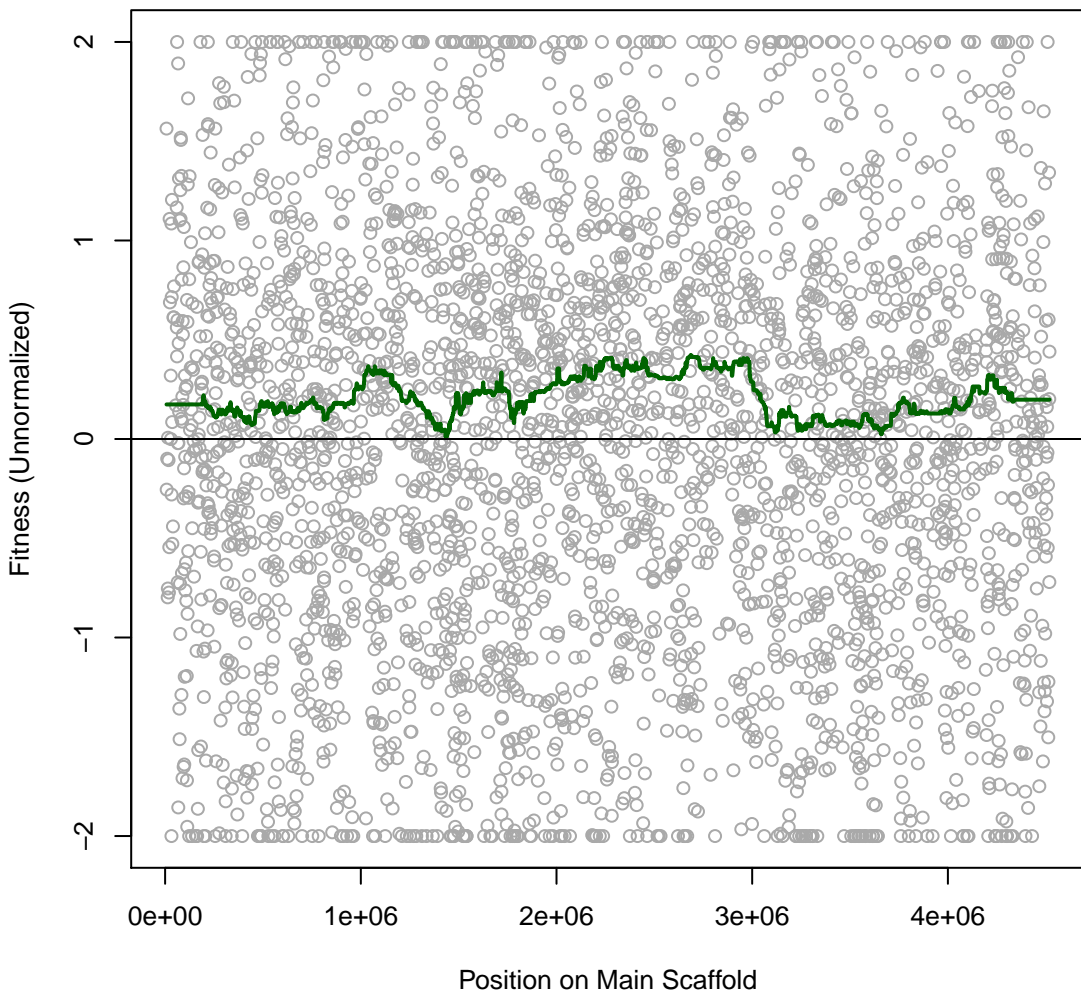


**Cup4G11 5IT025 #217 (gMed=194 rho12=0.041)**

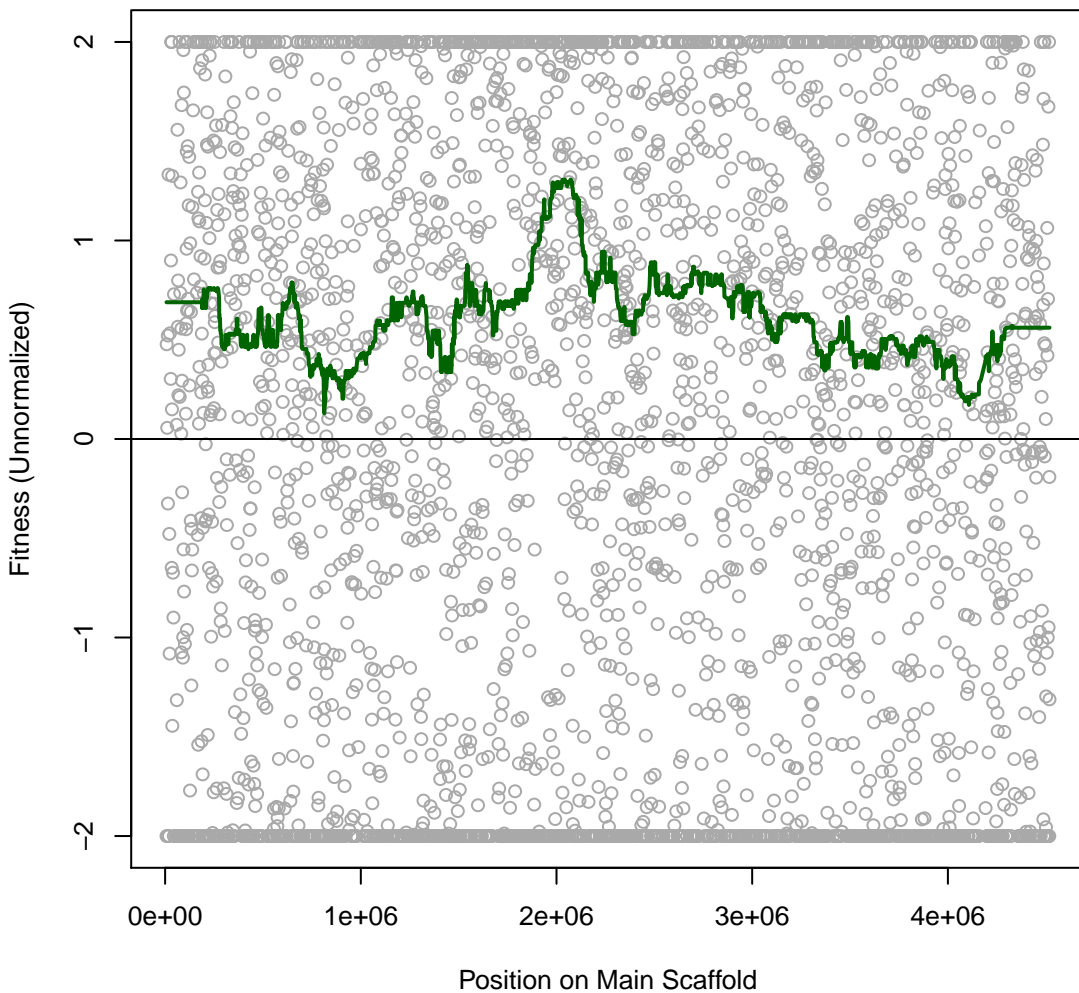
**Gentamicin 0.25 mg/ml**



**Cup4G11 5IT026 #218 (gMed=20 rho12=0.050)**  
**Gentamicin 0.5 mg/ml**

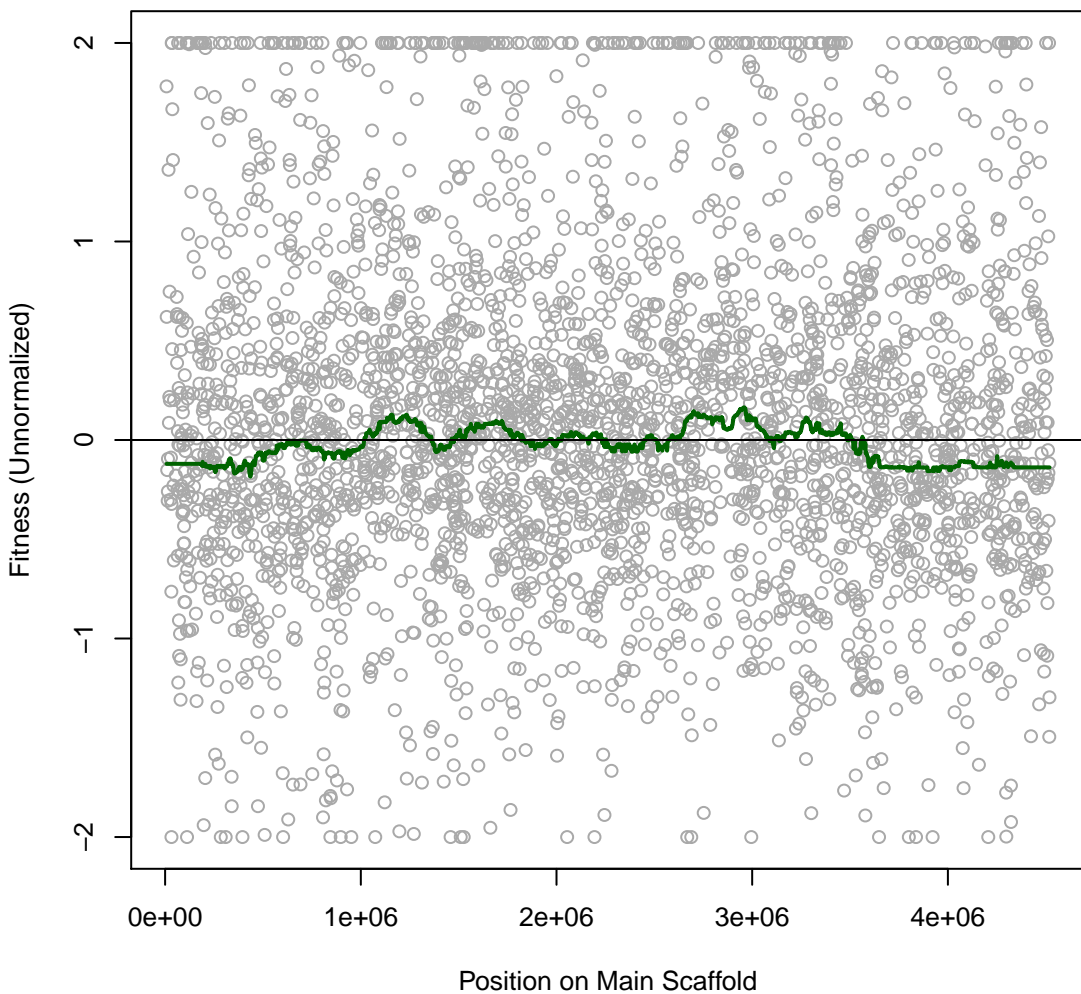


**Cup4G11 5IT028 #220 (gMed=107 rho12=0.052)**  
**methylglyoxal 0.001 vol%**



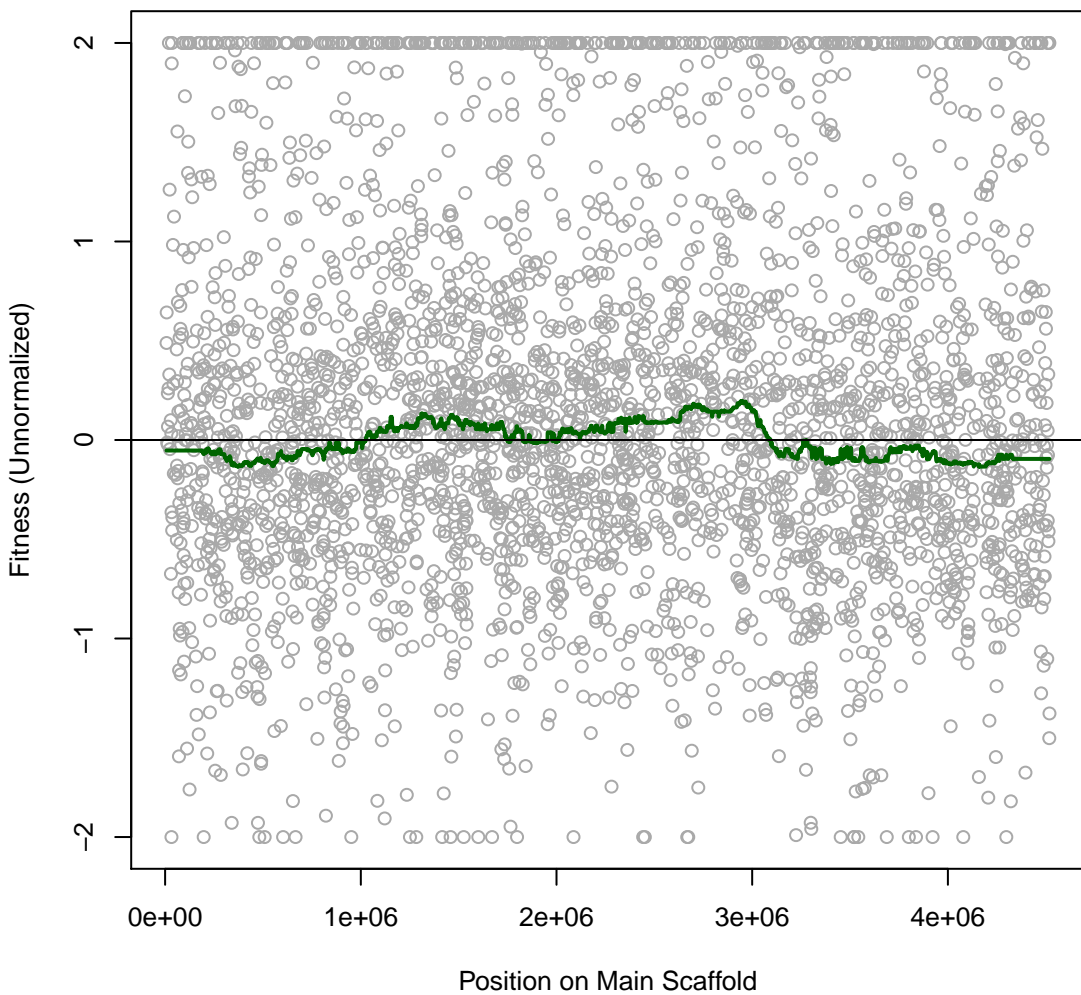
**Cup4G11 5IT030 #222 (gMed=1 rho12=0.036)**

**5-Hydroxymethylfurfural 5 mM**

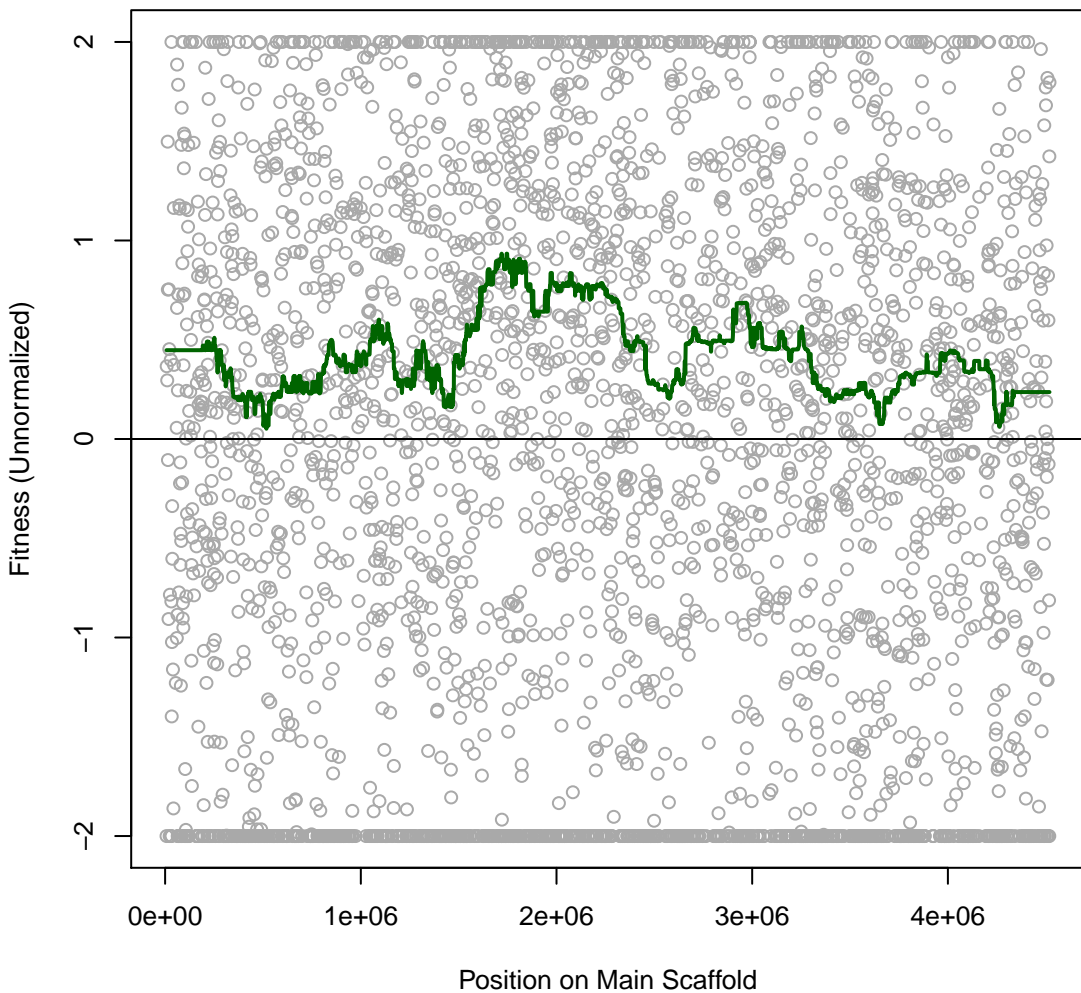




**Cup4G11 5IT031 #223 (gMed=2 rho12=0.030)**  
**Vanillin 1.25 mM**

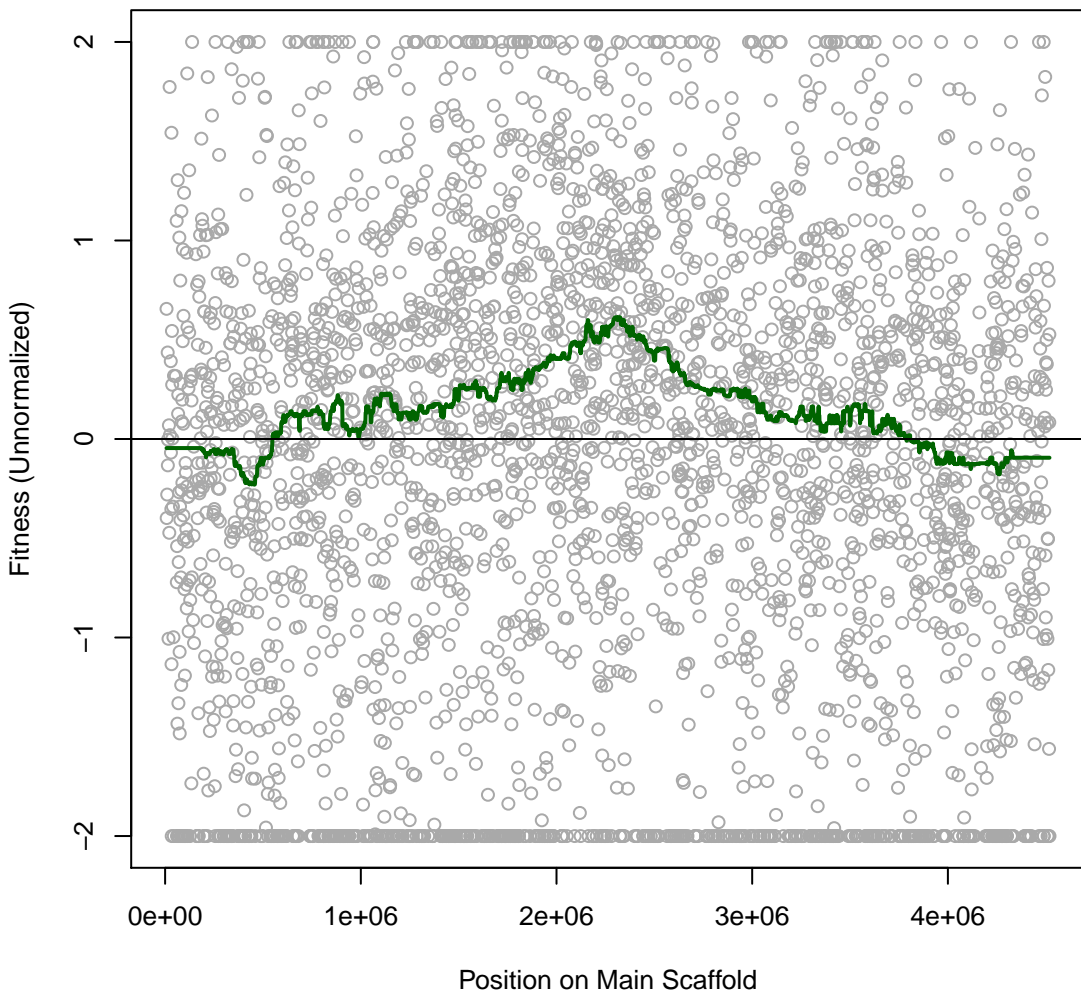


**Cup4G11 5IT032 #224 (gMed=122 rho12=0.053)**  
**Furfuryl Alcohol 0.2 vol%**



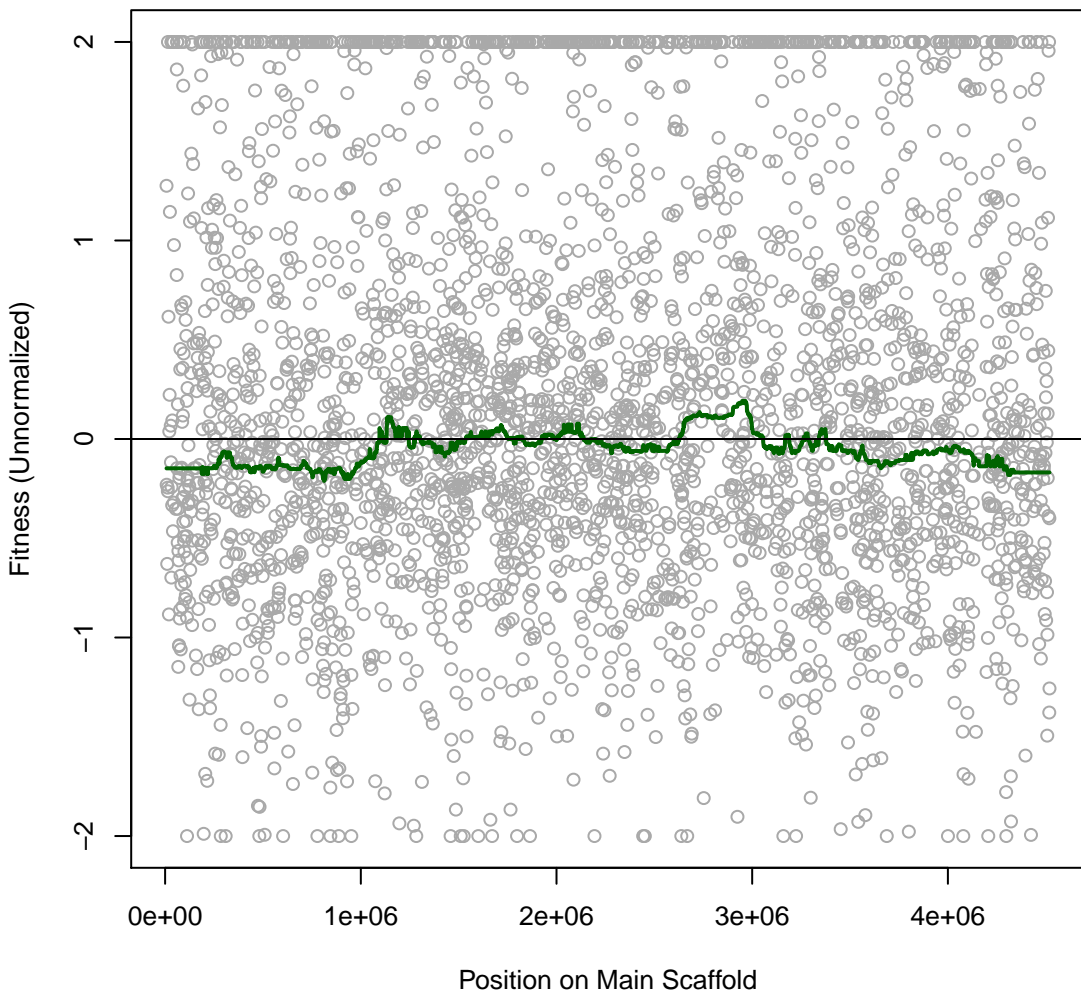


**Cup4G11 5IT033 #225 (gMed=109 rho12=0.046)**  
**LB**



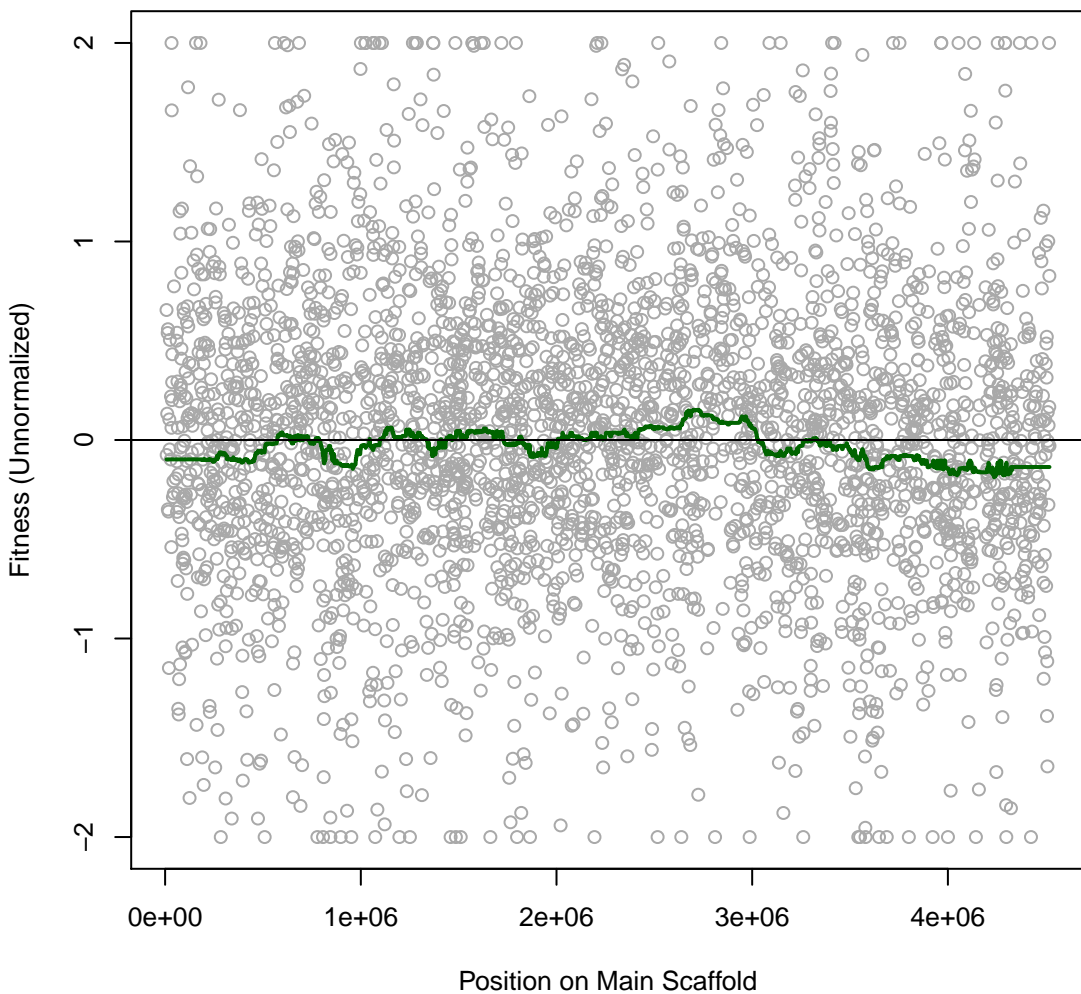
**Cup4G11 5IT034 #226 (gMed=1 rho12=0.052)**

**Choline chloride 40 mM**

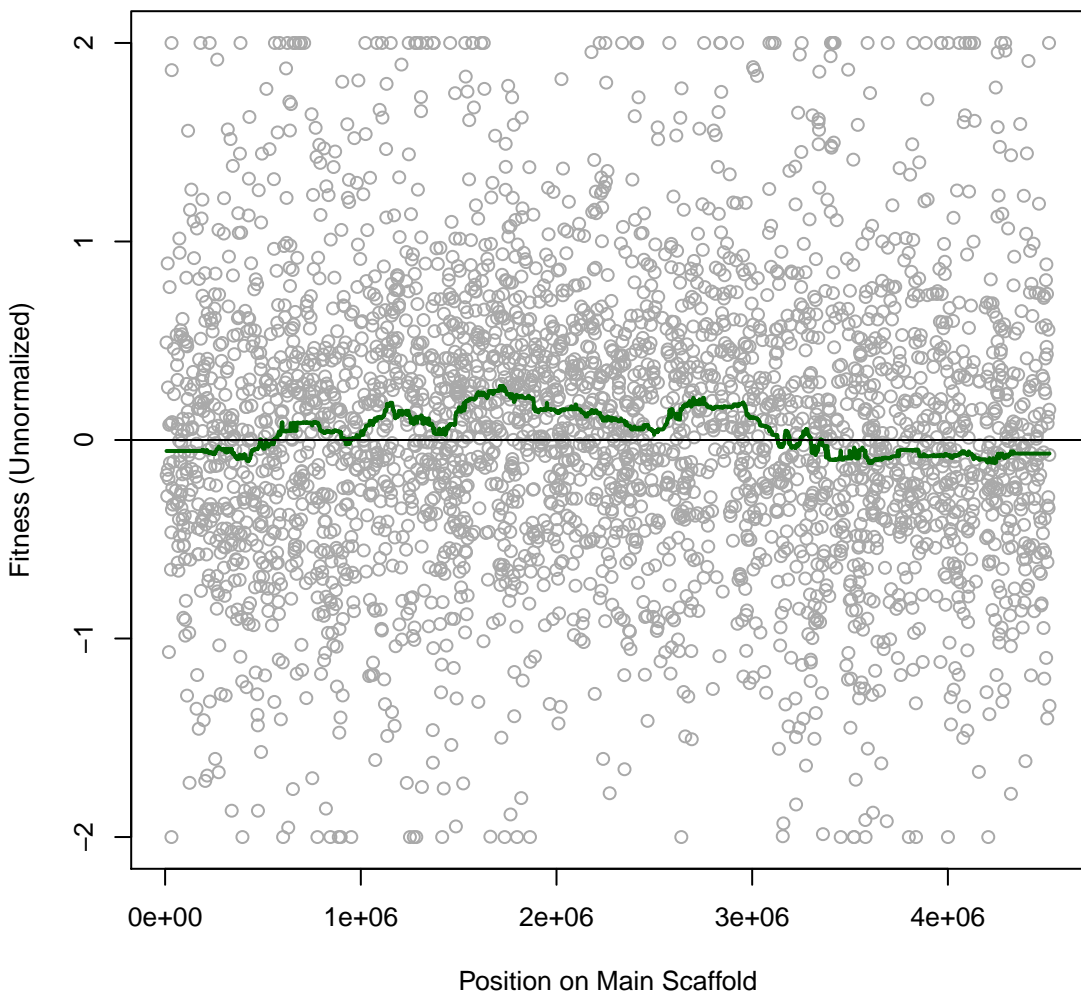


**Cup4G11 5IT035 #227 (gMed=2 rho12=0.038)**

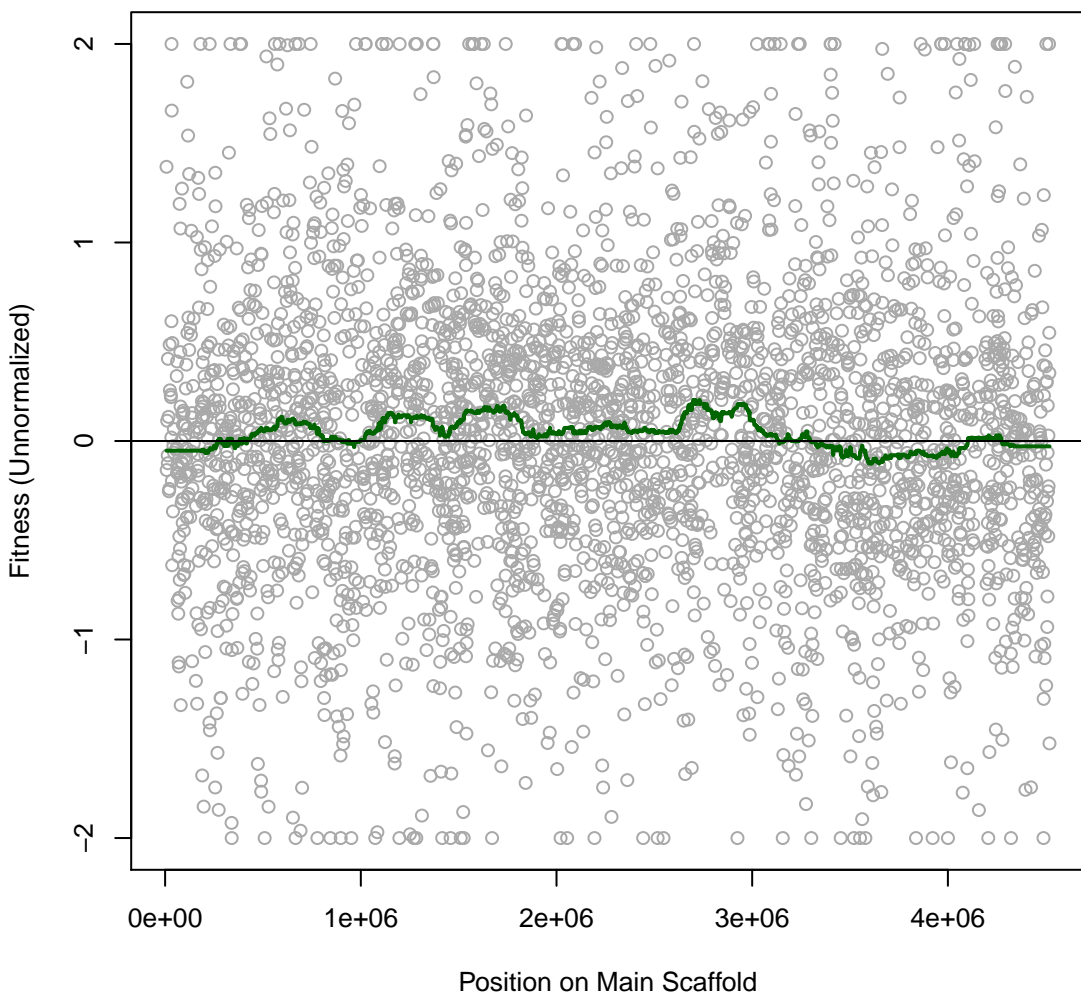
**Choline chloride 80 mM**



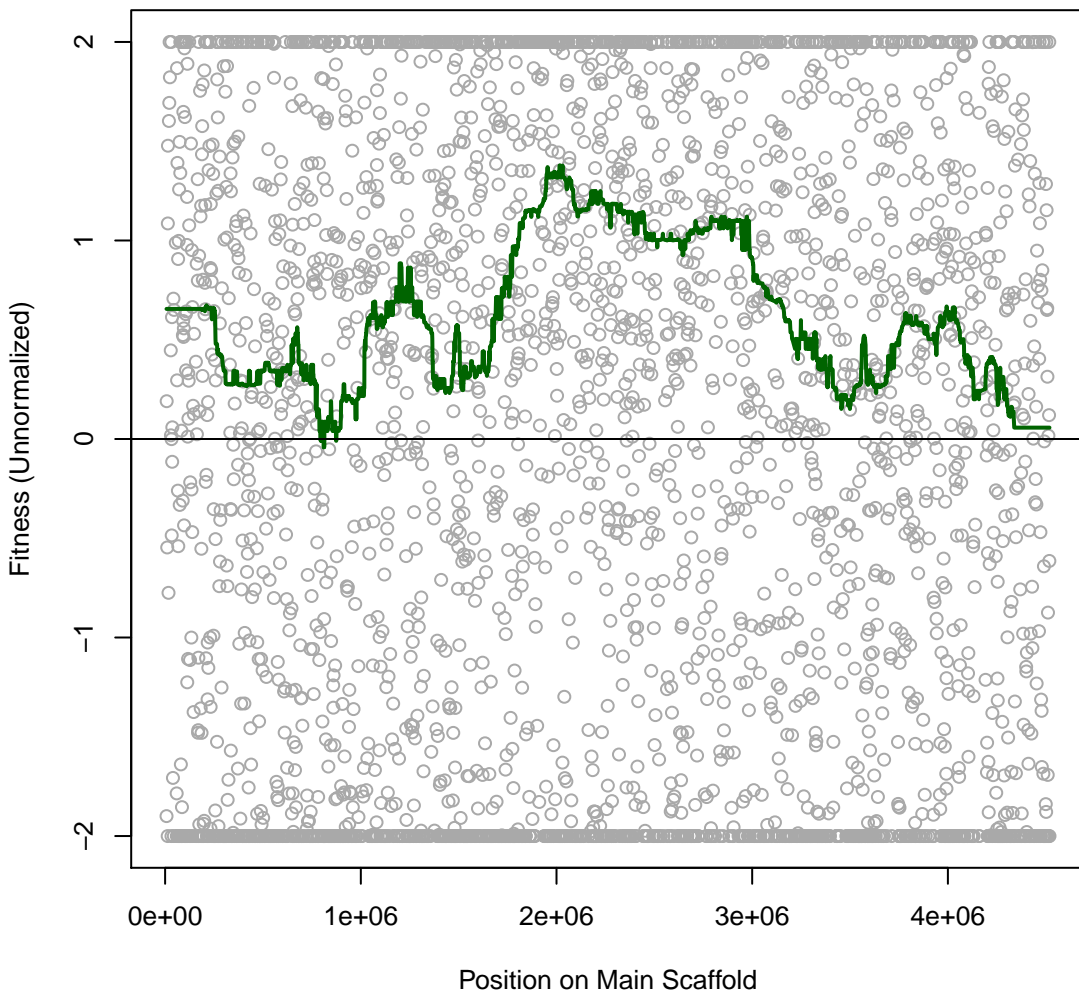
**Cup4G11 5IT036 #228 (gMed=2 rho12=0.049)**  
**Cholin acetate 40 mM**



**Cup4G11 5IT037 #229 (gMed=2 rho12=0.061)**  
**acetate 50 mM**



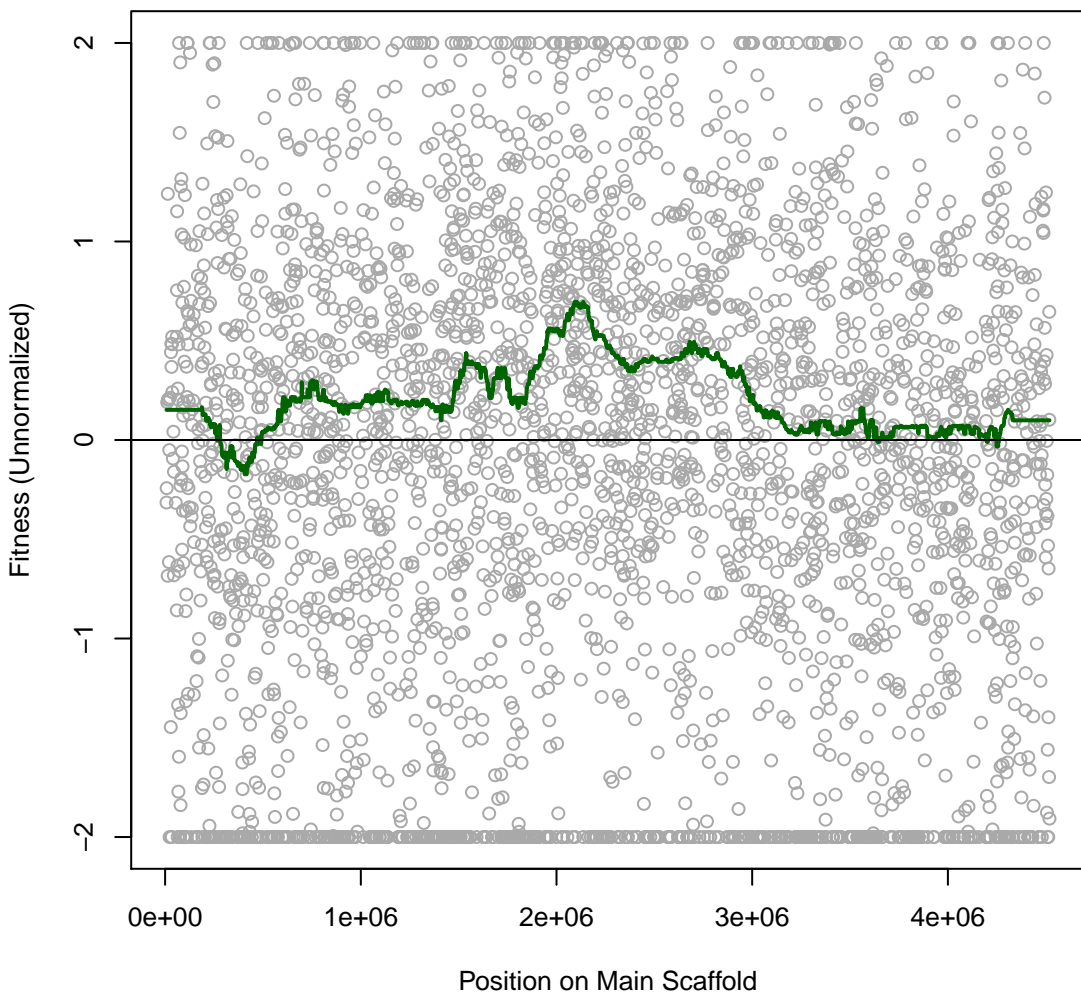
**Cup4G11 5IT038 #230 (gMed=121 rho12=0.083)**  
**1-ethyl-3-methylimidazolium lysine 2 mM**



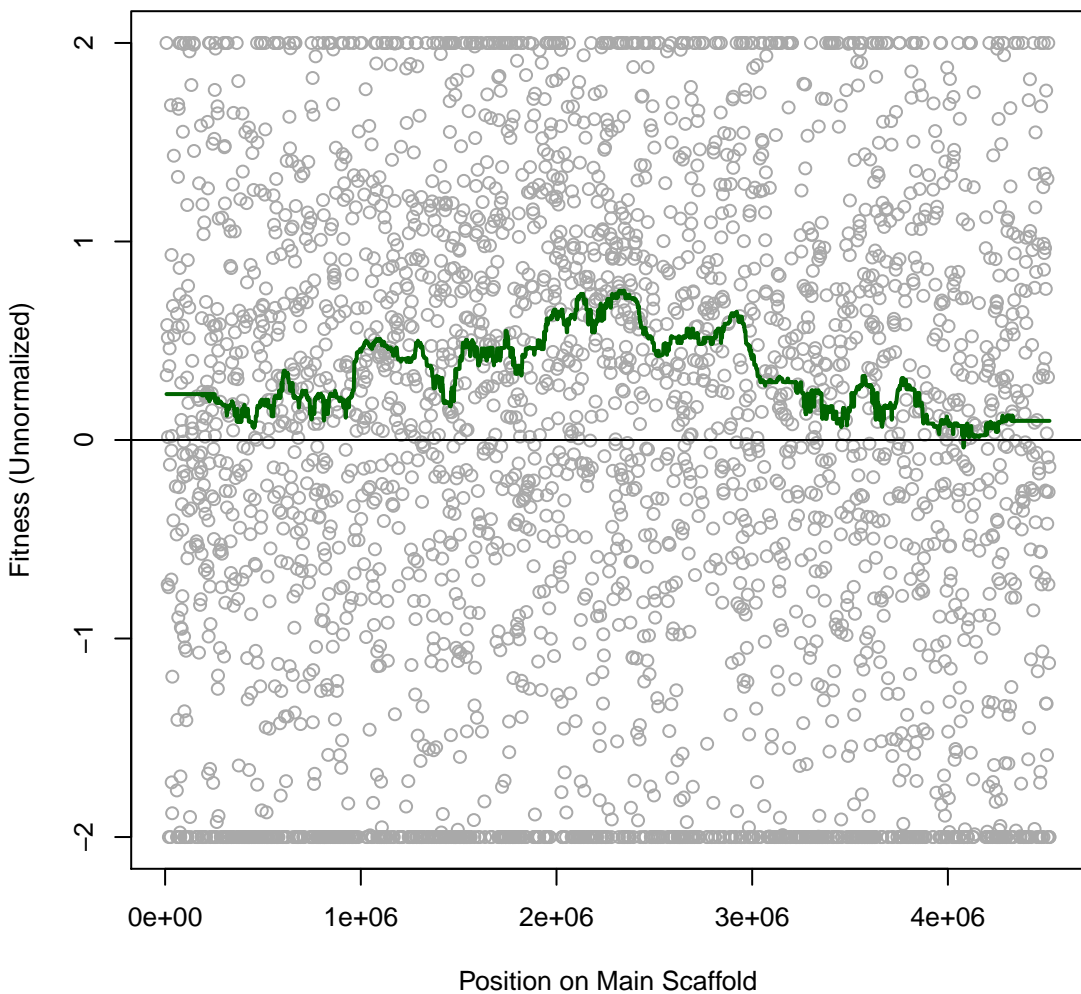


**Cup4G11 5IT039 #231 (gMed=196 rho12=0.055)**

**1-ethyl-3-methylimidazolium acetate 4 mM**

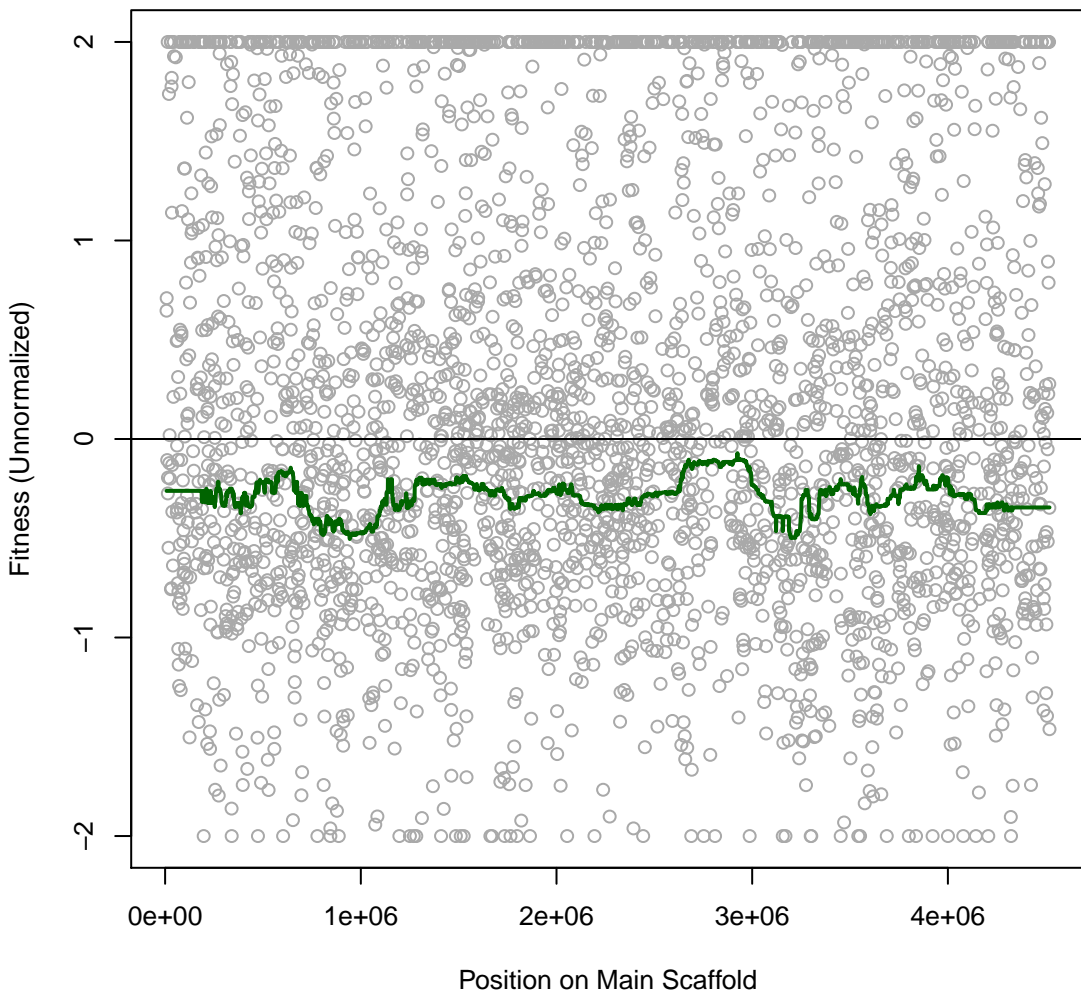


**Cup4G11 5IT040 #232 (gMed=169 rho12=0.056)**  
**1-ethyl-3-methylimidazolium acetate 8 mM**



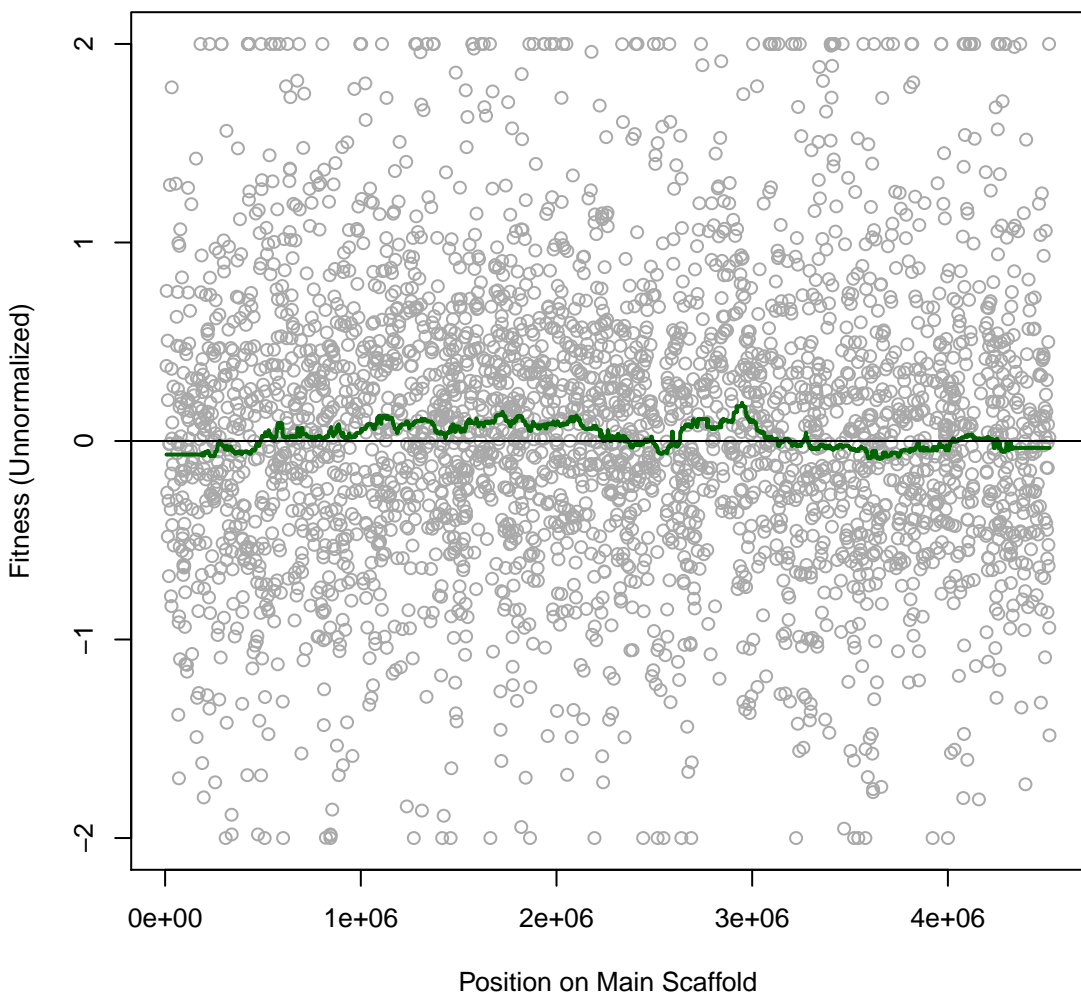


**Cup4G11 5IT041 #233 (gMed=2 rho12=0.041)**  
**1-ethyl-3-methylimidazolium chloride 20 mM**

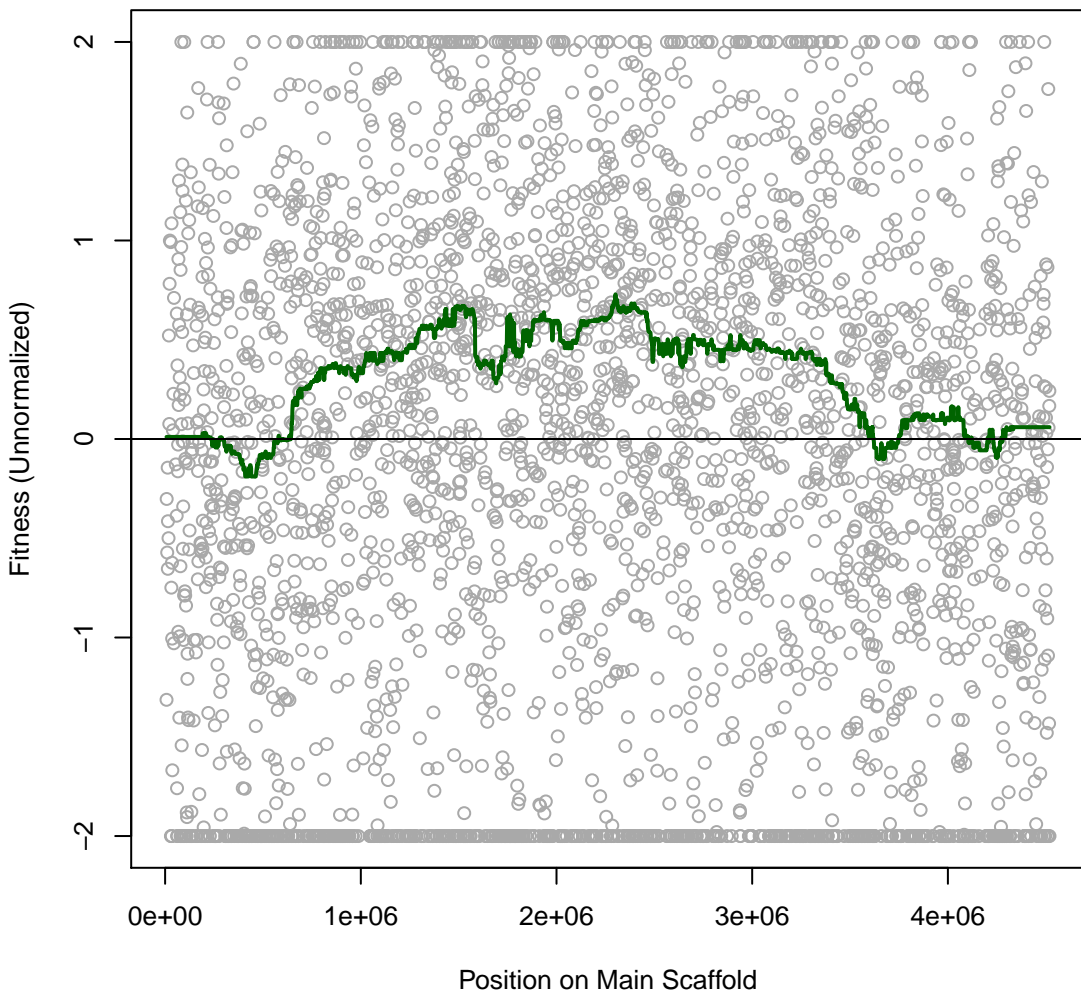


**Cup4G11 5IT042 #234 (gMed=3 rho12=0.068)**

**Choline Lysine 10 mM**

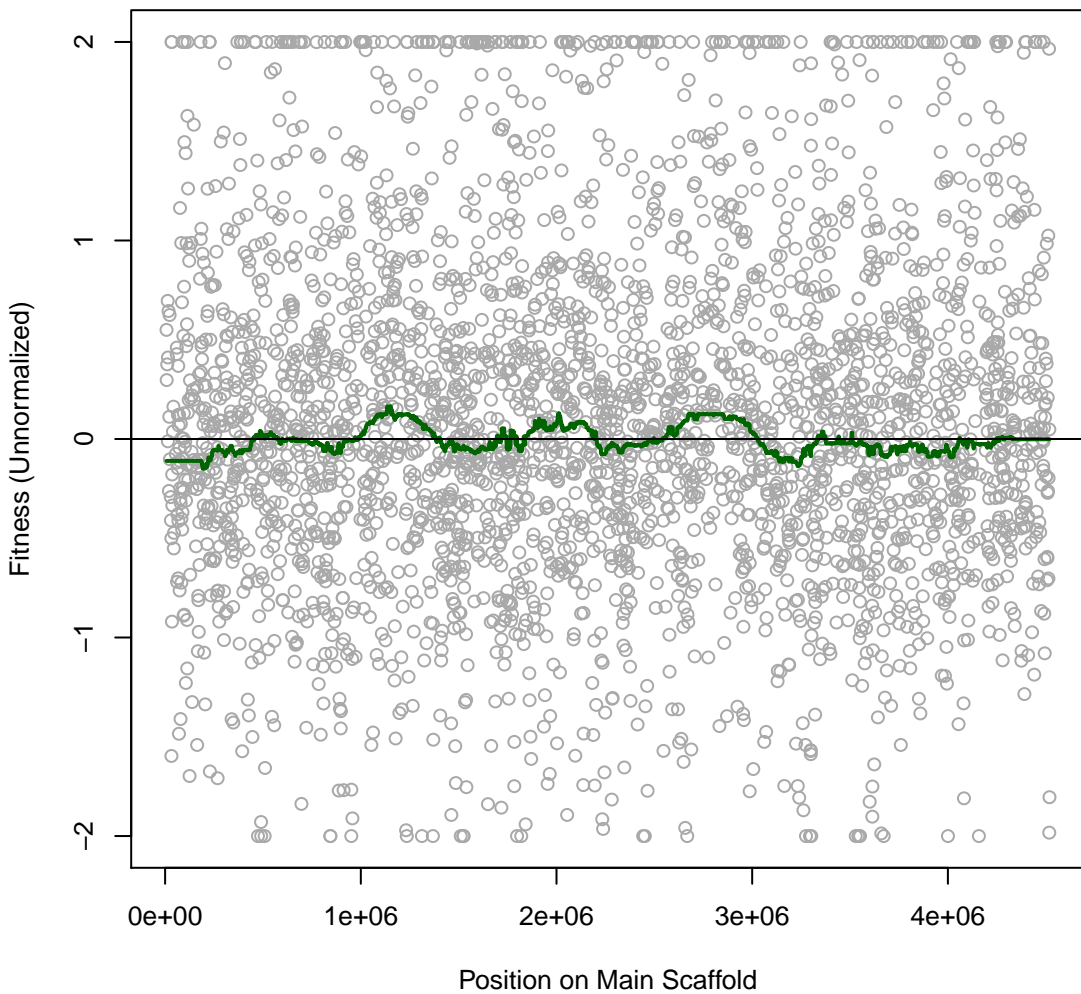


**Cup4G11 5IT043 #235 (gMed=182 rho12=0.045)**  
**LB**

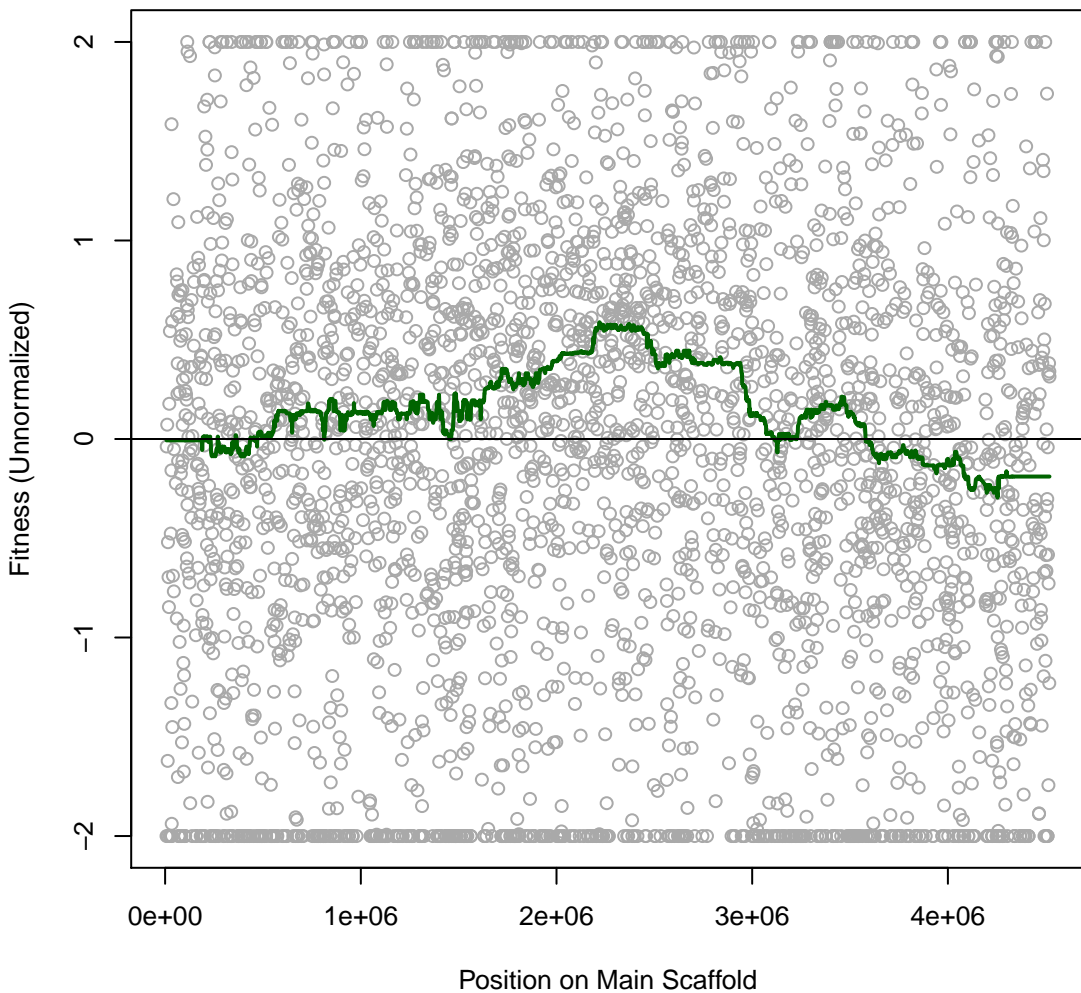


**Cup4G11 5IT044 #236 (gMed=4 rho12=0.046)**

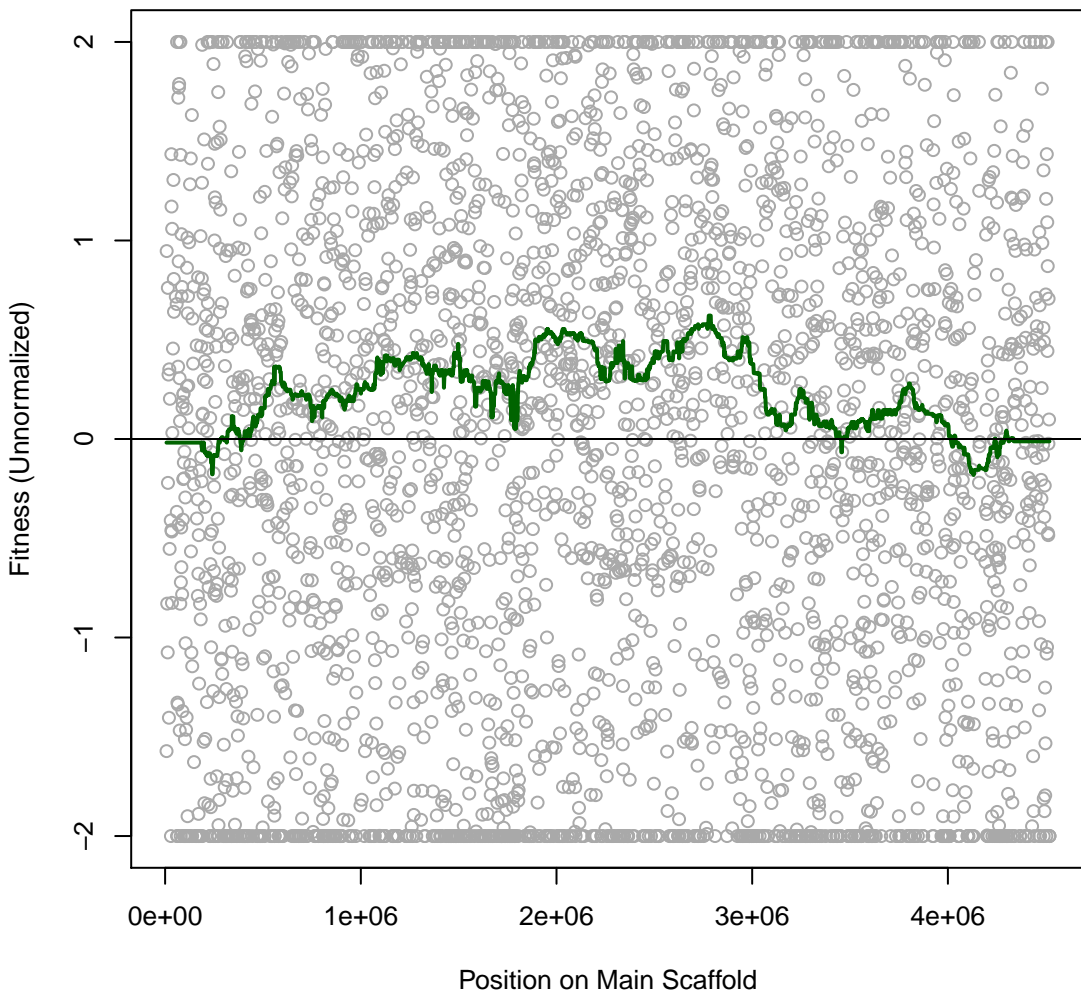
**Nickel (II) chloride 1 mM**



**Cup4G11 5IT045 #237 (gMed=119 rho12=0.085)**  
**Cobalt chloride 0.4 mM**

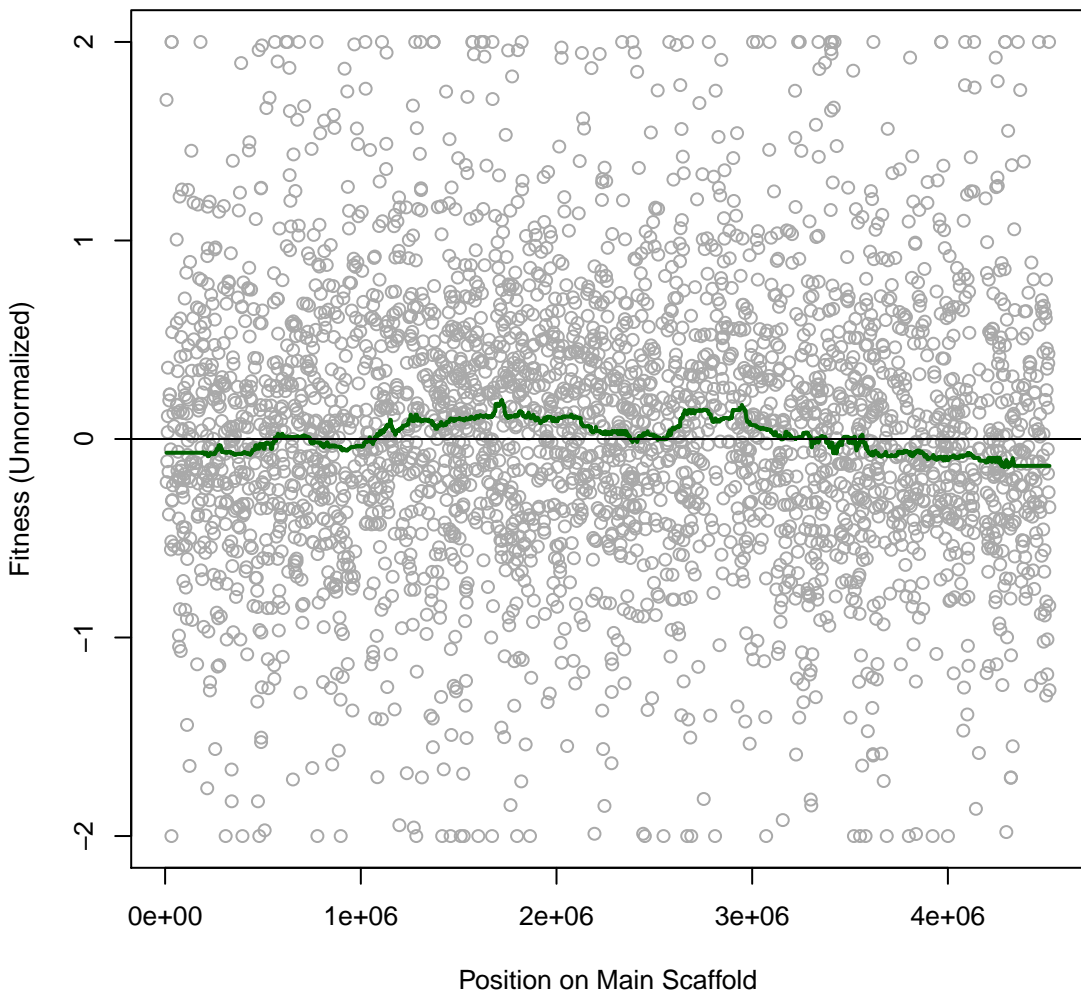


**Cup4G11 5IT046 #238 (gMed=31 rho12=0.062)**  
**Cobalt chloride 0.5 mM**

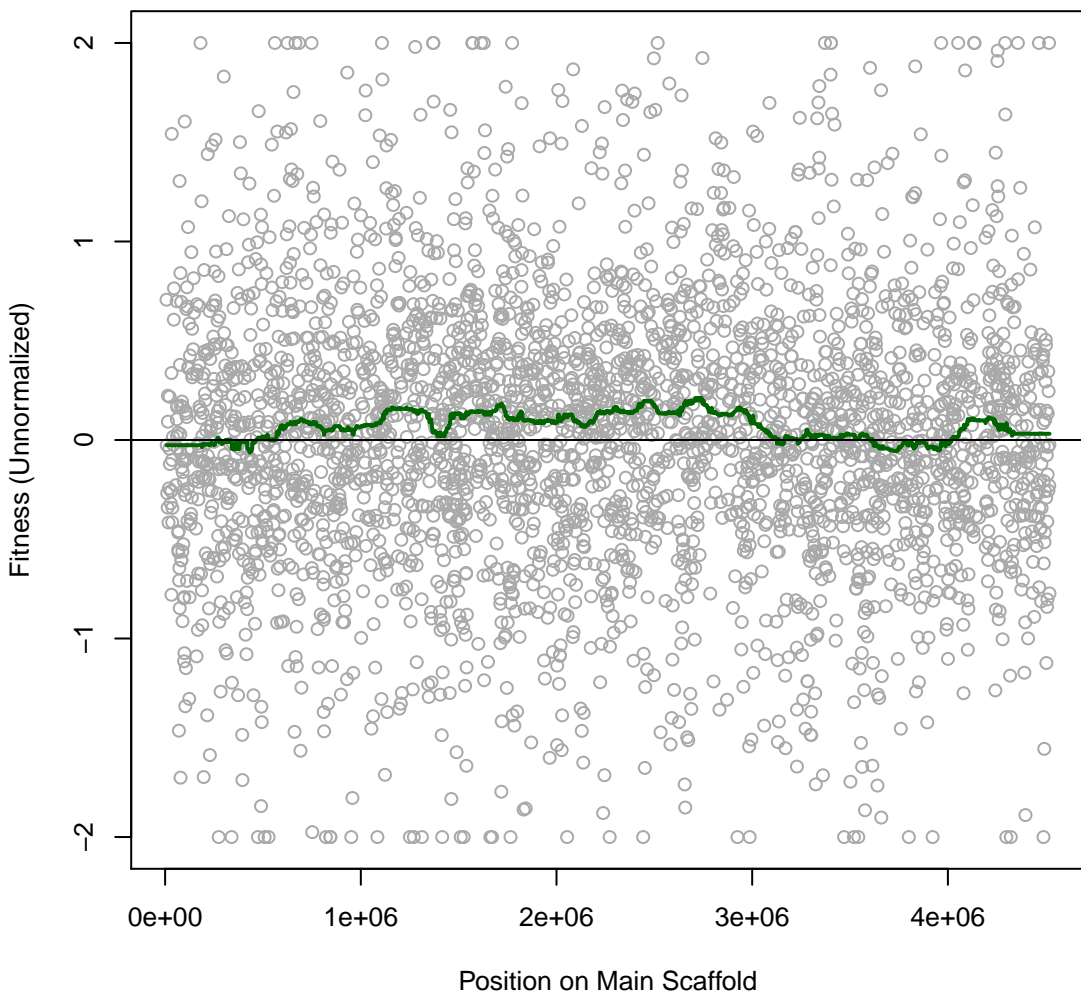




**Cup4G11 5IT047 #239 (gMed=2 rho12=0.042)**  
**copper (II) chloride 0.5 mM**

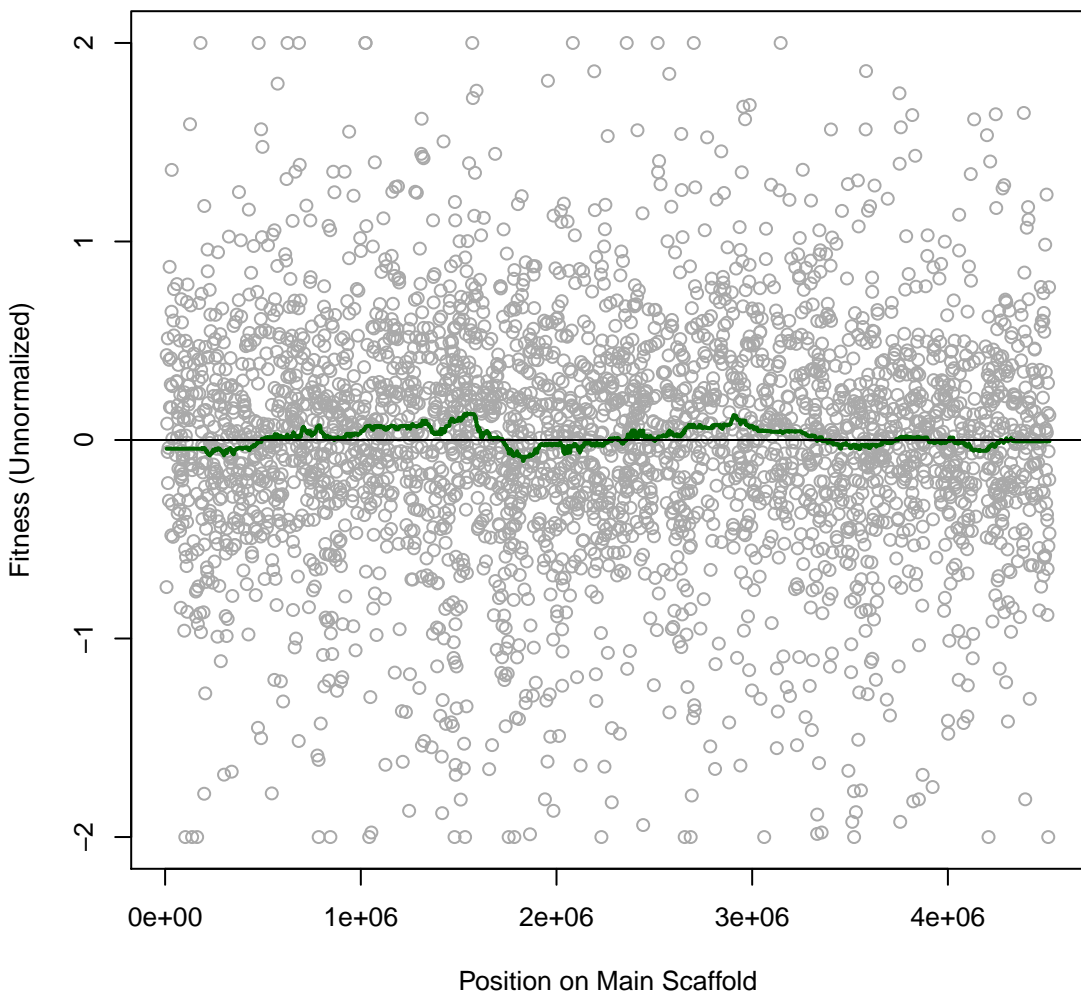


**Cup4G11 5IT048 #240 (gMed=4 rho12=0.006)**  
**copper (II) chloride 0.75 mM**

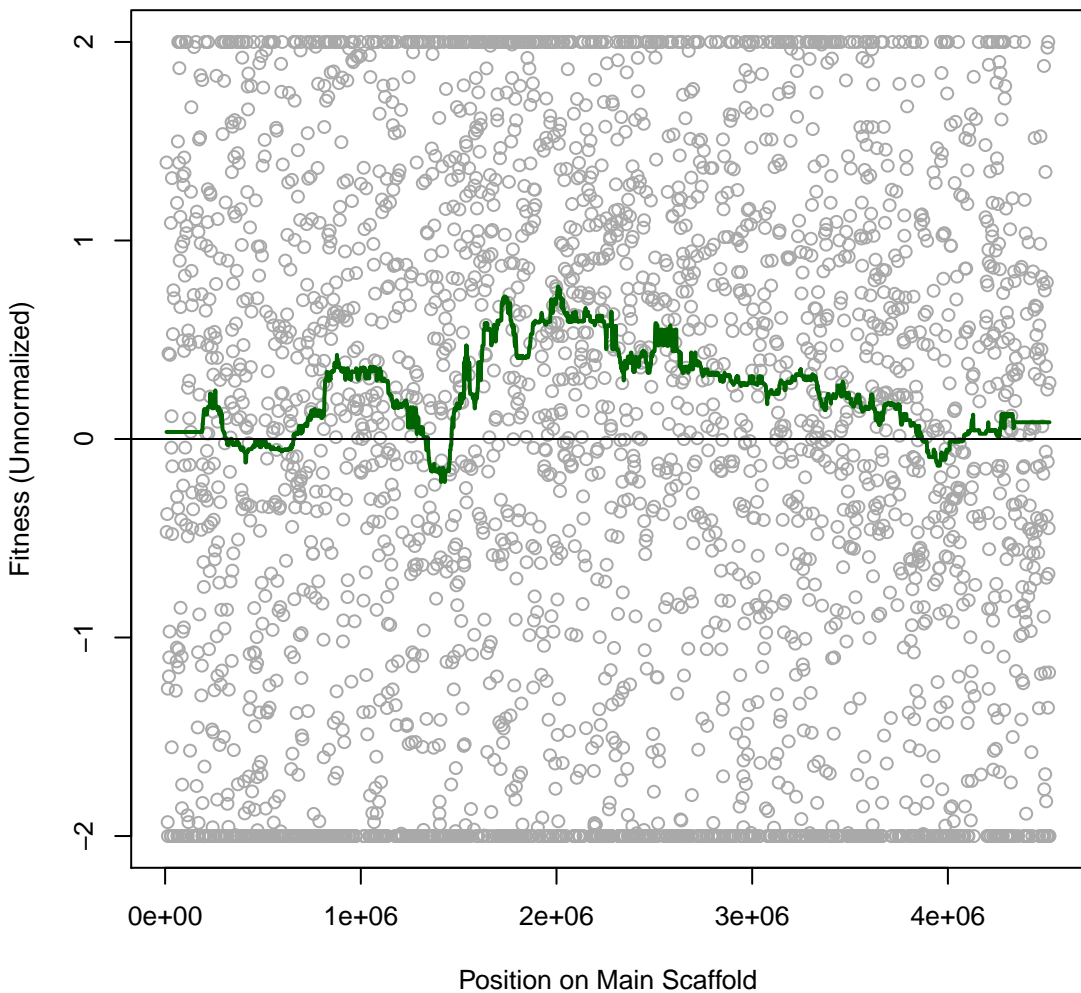




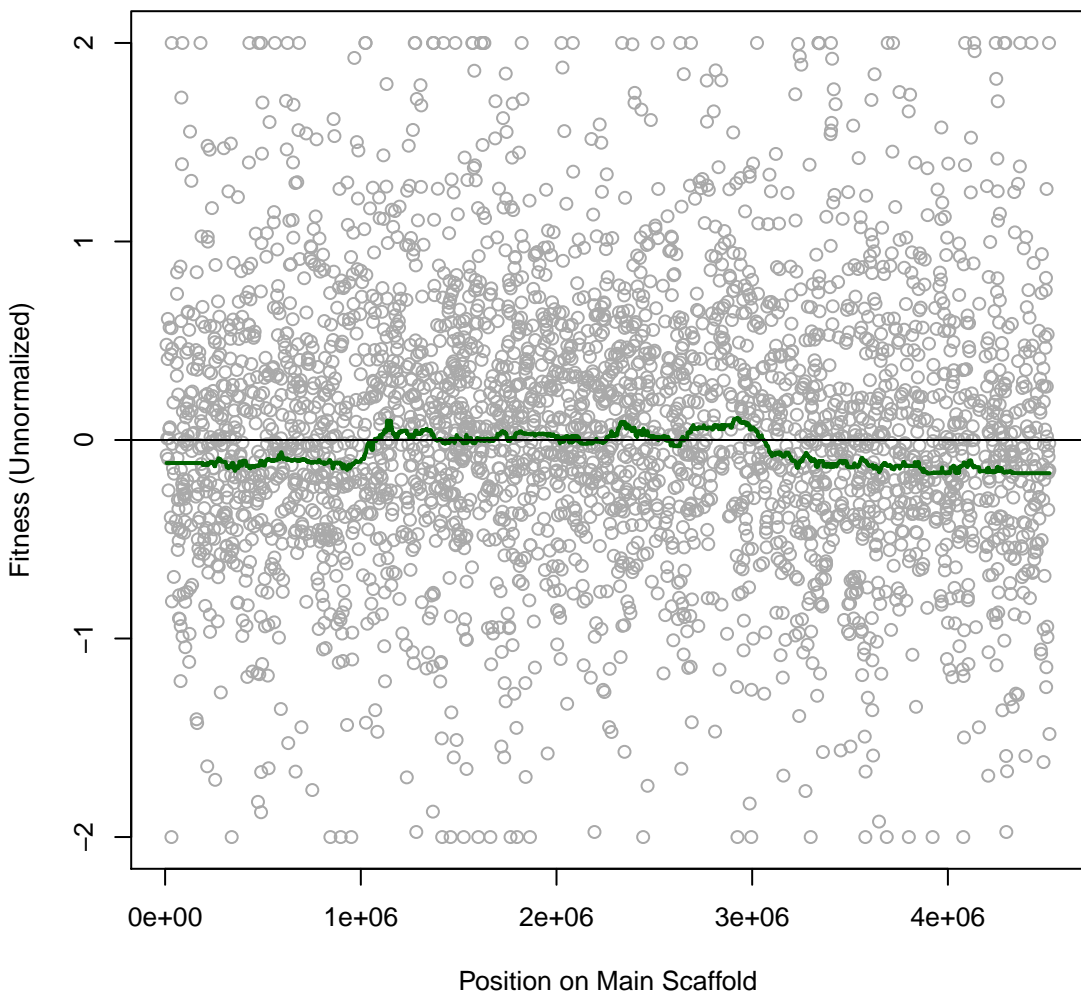
**Cup4G11 6IT049 #241 (gMed=17 rho12=-0.006)**  
**copper (II) chloride 1.5 mM**



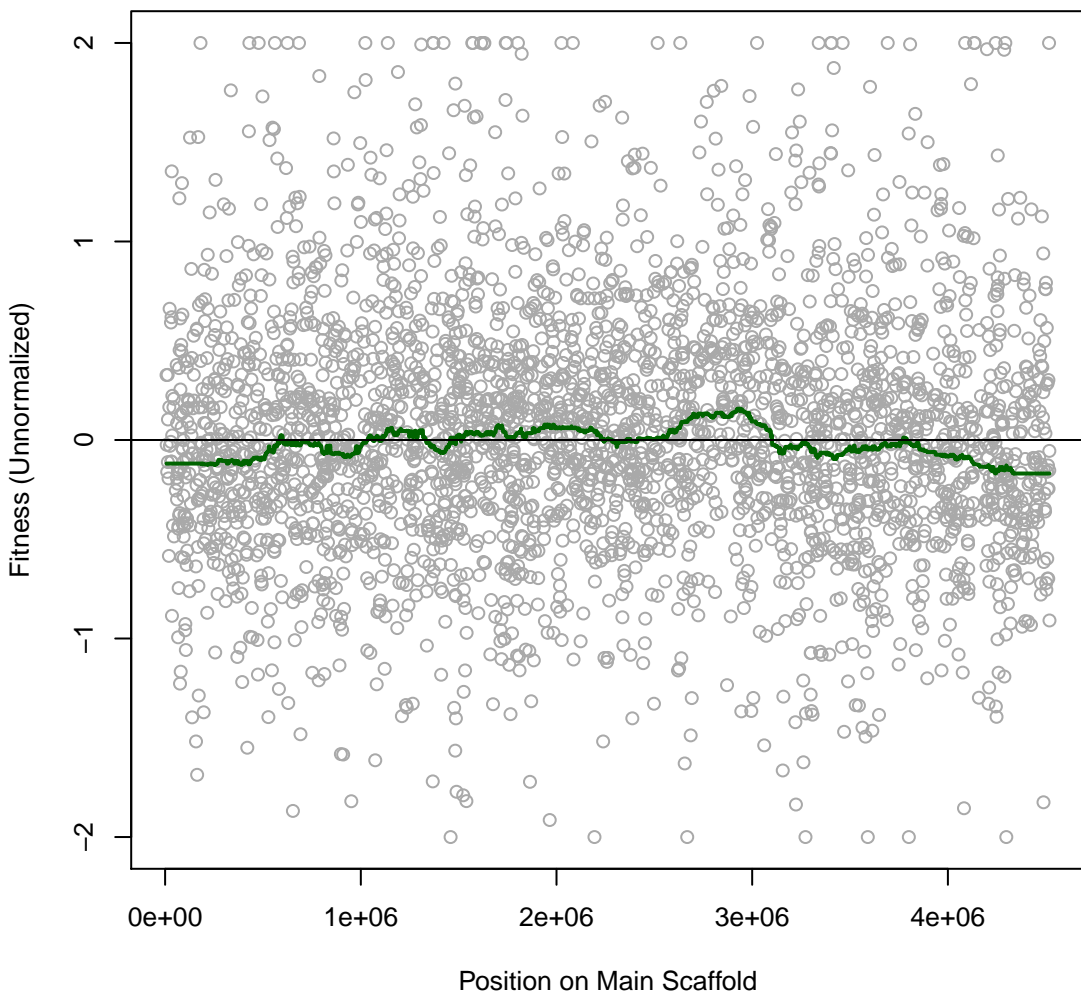
**Cup4G11 6IT051 #243 (gMed=245 rho12=0.045)**  
**Cisplatin 0.001 mg/ml**



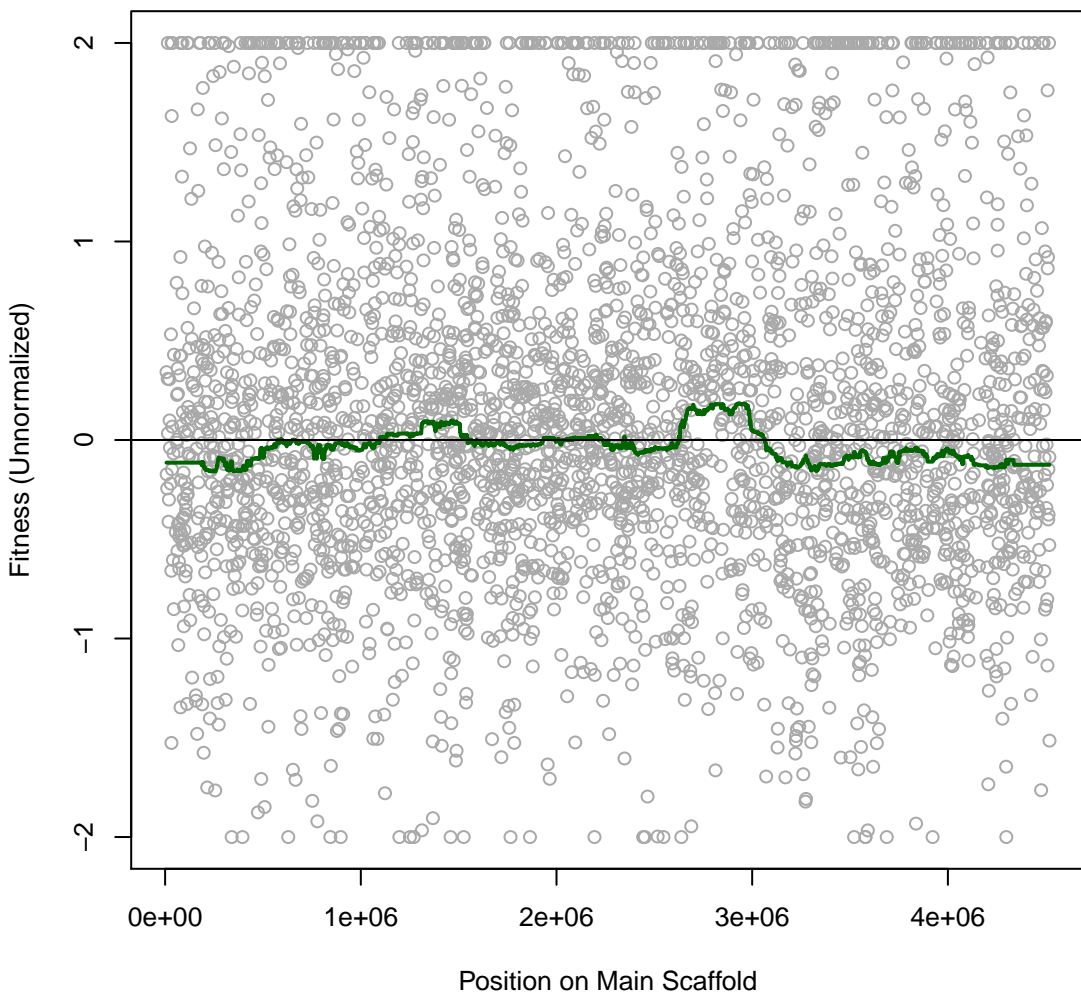
**Cup4G11 6IT053 #245 (gMed=4 rho12=0.044)**  
**nitrite 5 mM**



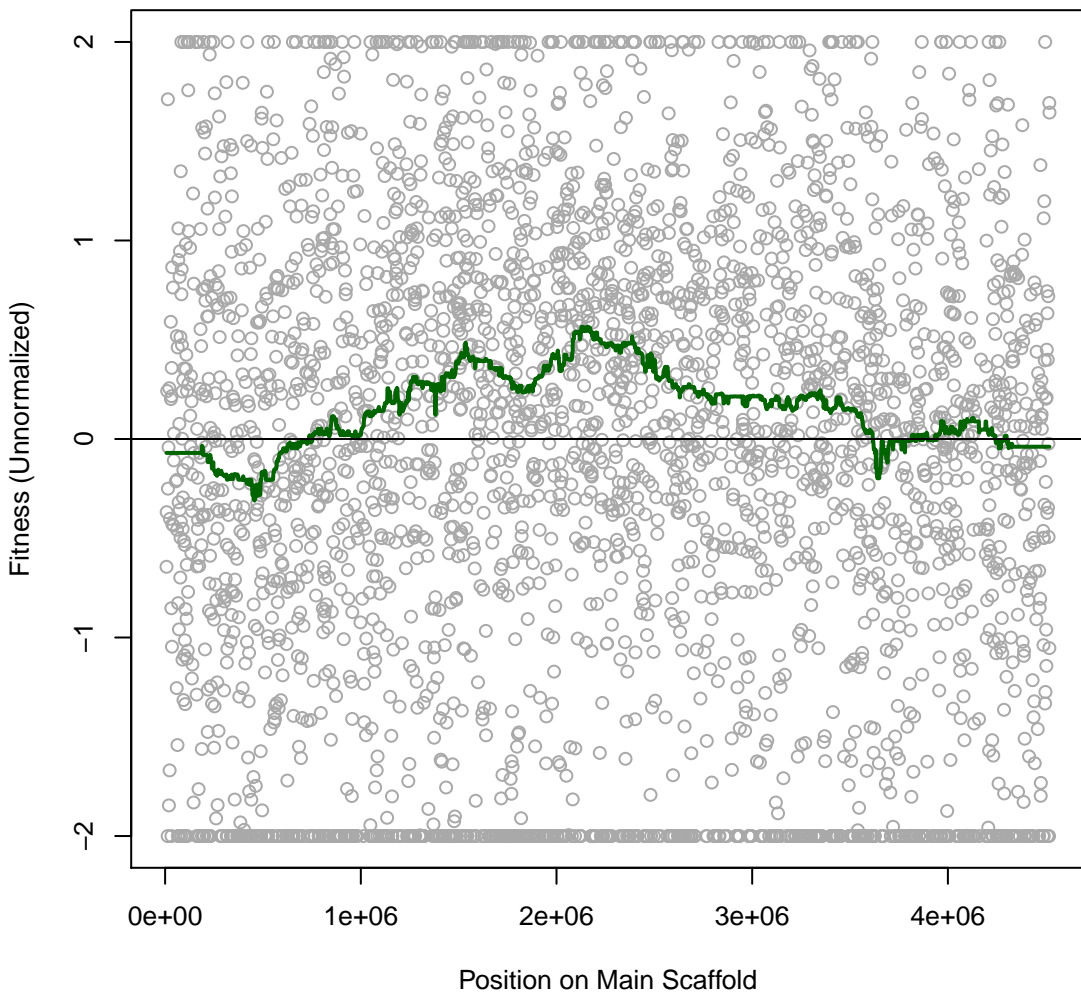
**Cup4G11 6IT054 #246 (gMed=9 rho12=-0.008)**  
**nitrite 7.5 mM**



**Cup4G11 6IT055 #247 (gMed=3 rho12=0.034)**  
**nitrate 50 mM**

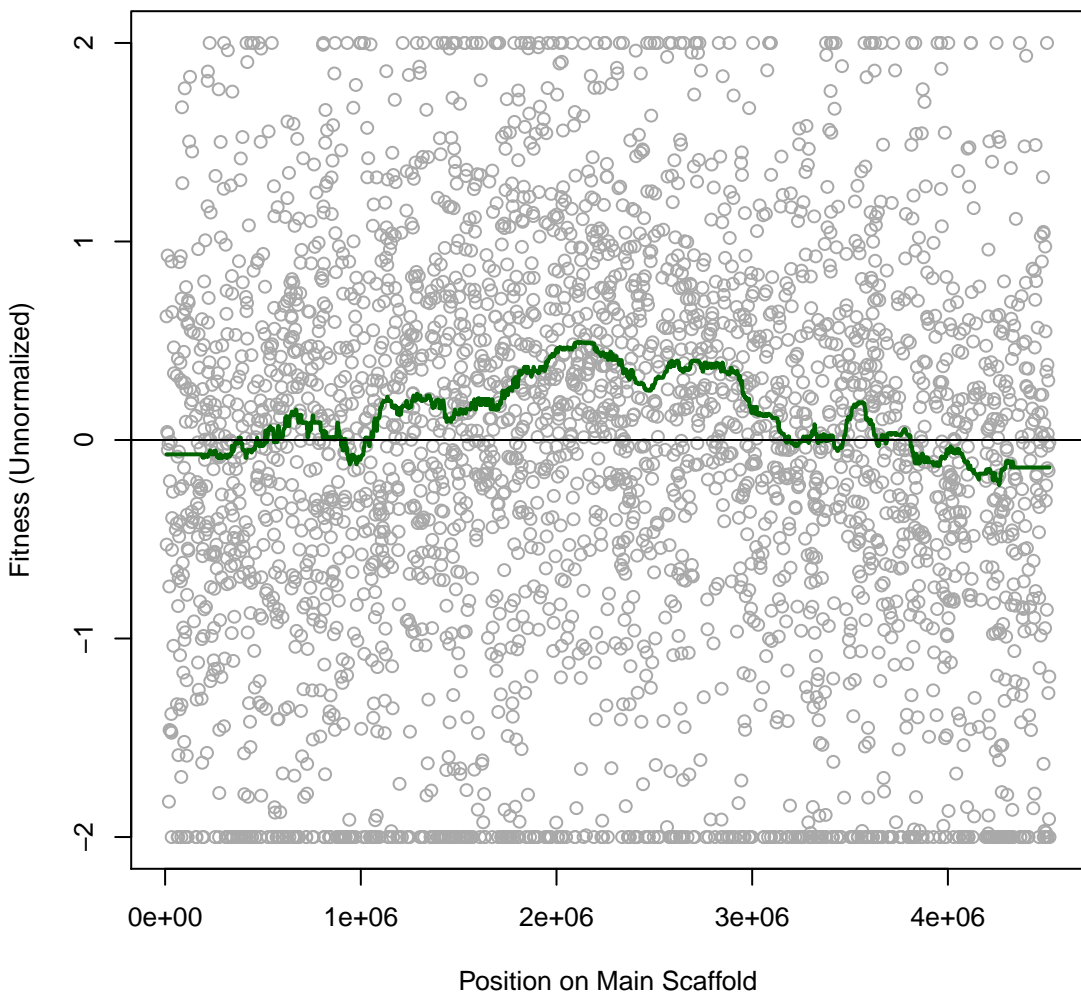


**Cup4G11 6IT056 #248 (gMed=386 rho12=0.038)**  
**LB**

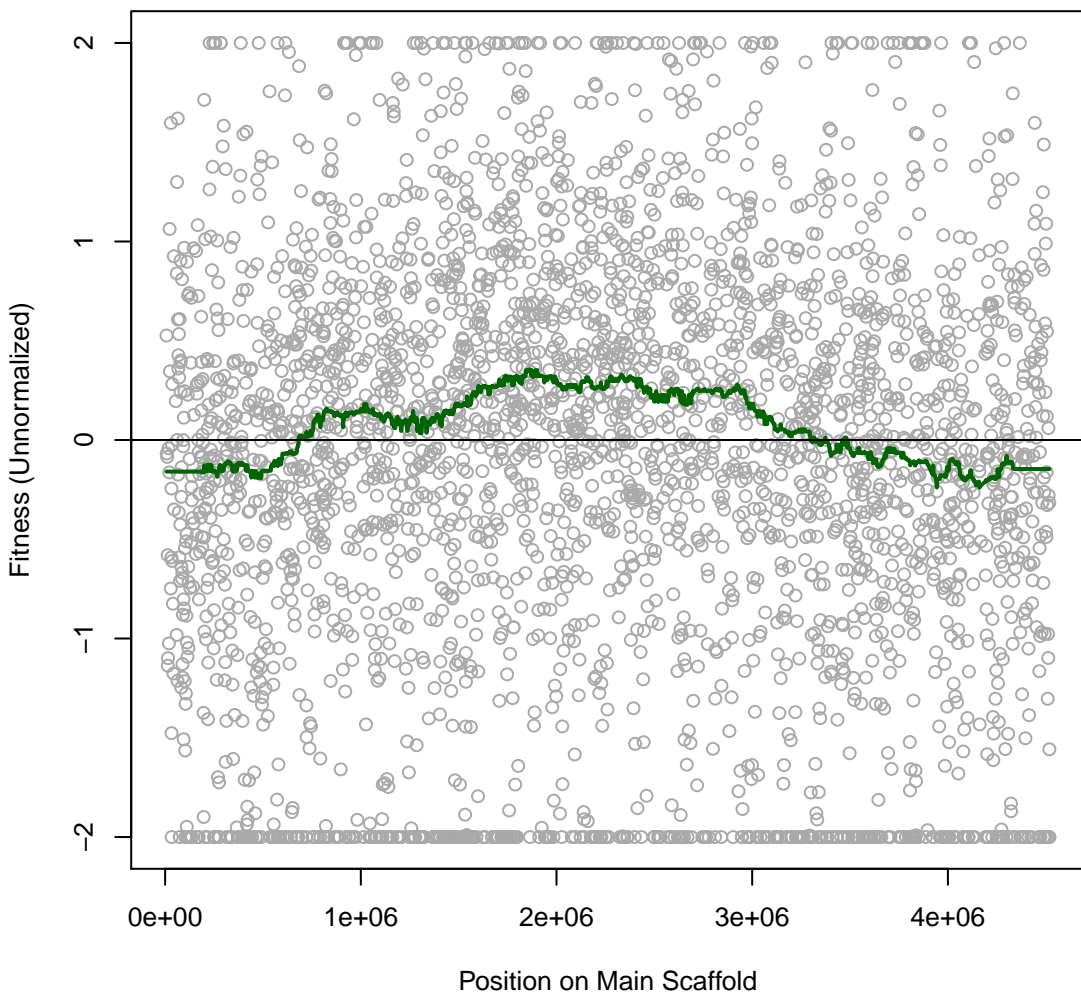




**Cup4G11 6IT057 #249 (gMed=346 rho12=0.054)**  
**perchlorate 20 mM**

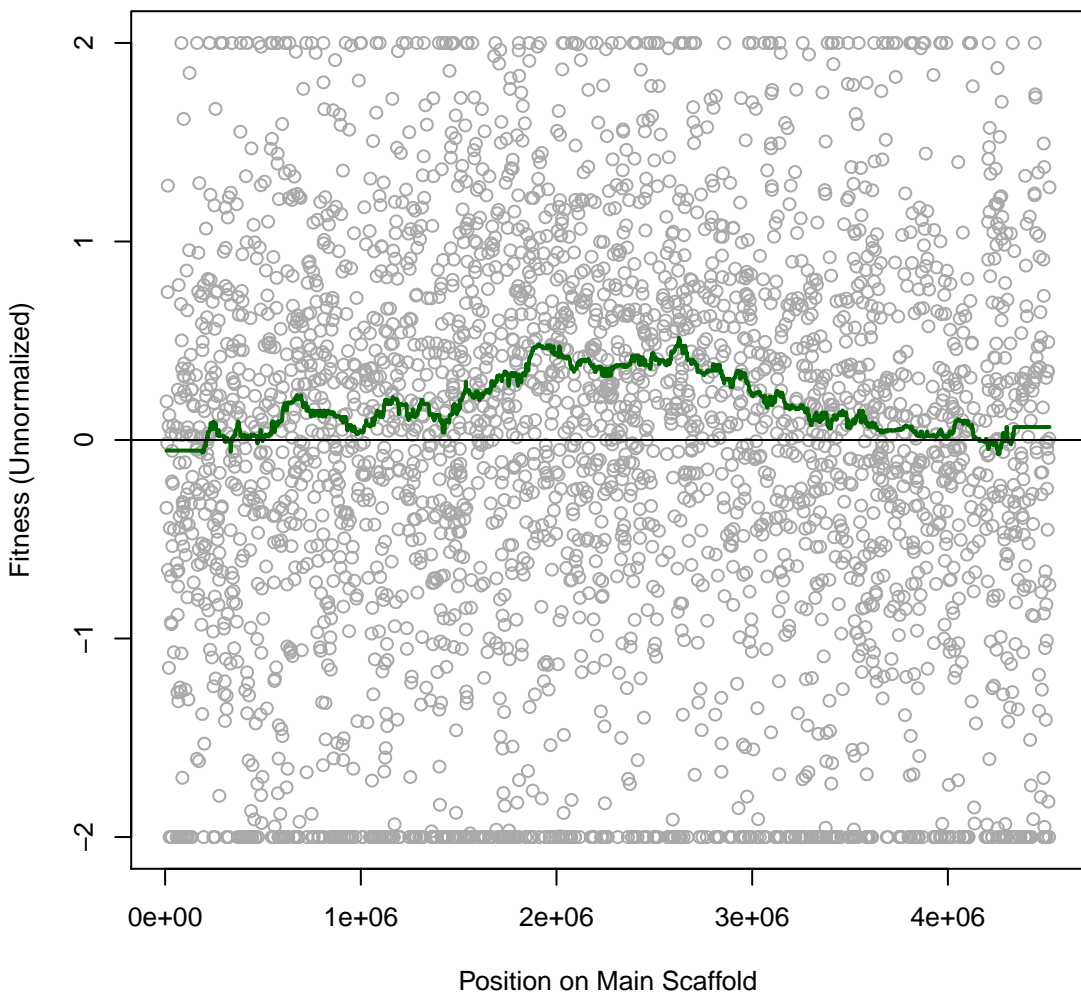


**Cup4G11 6IT058 #250 (gMed=341 rho12=0.060)**  
**perchlorate 30 mM**

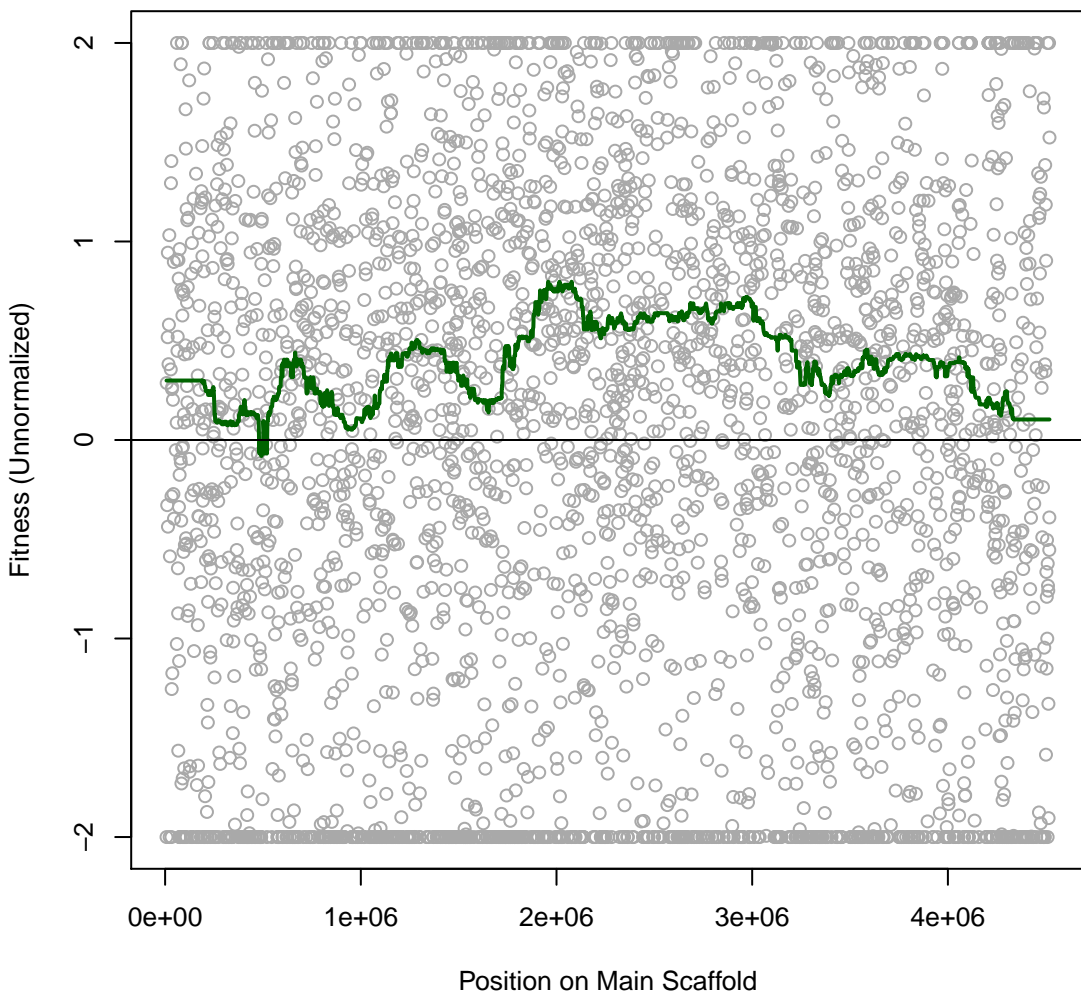




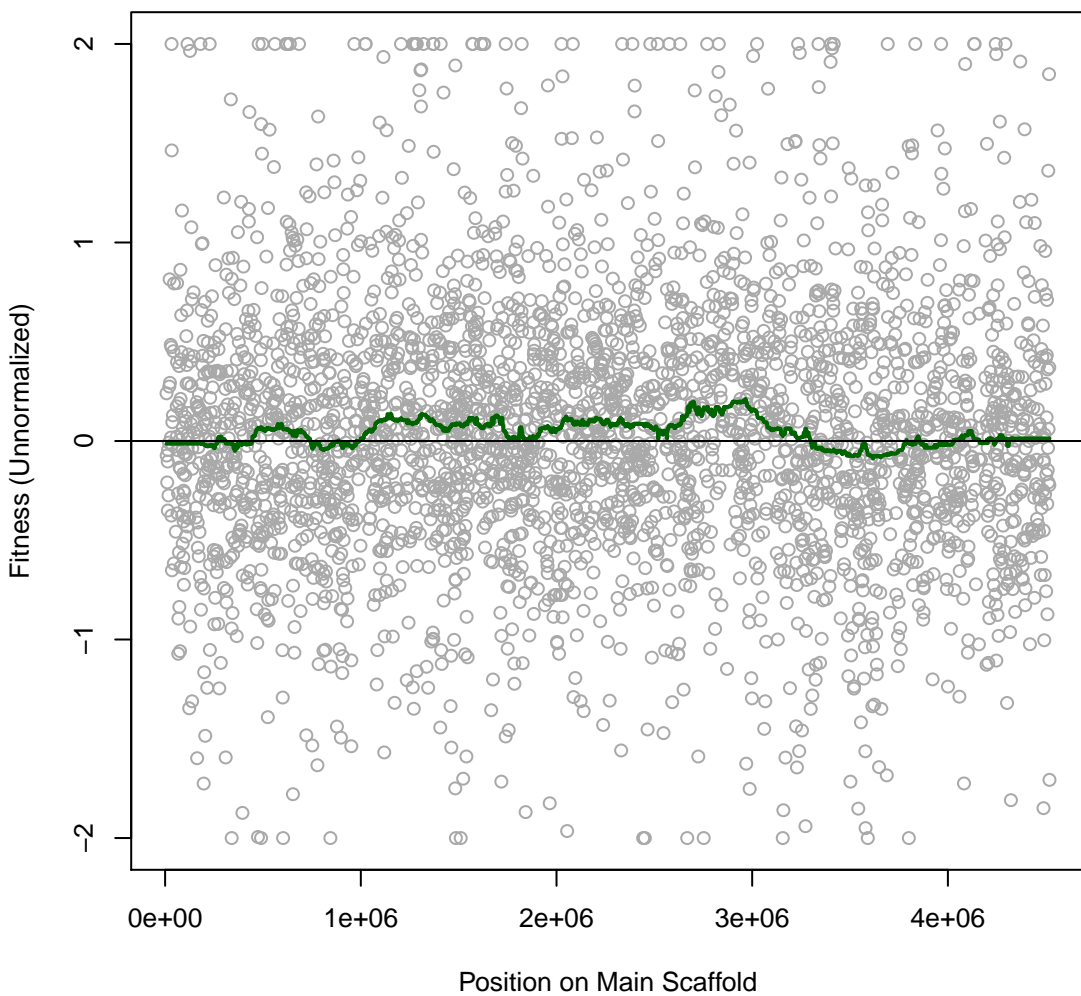
**Cup4G11 6IT059 #251 (gMed=340 rho12=0.079)**  
**perchlorate 40 mM**



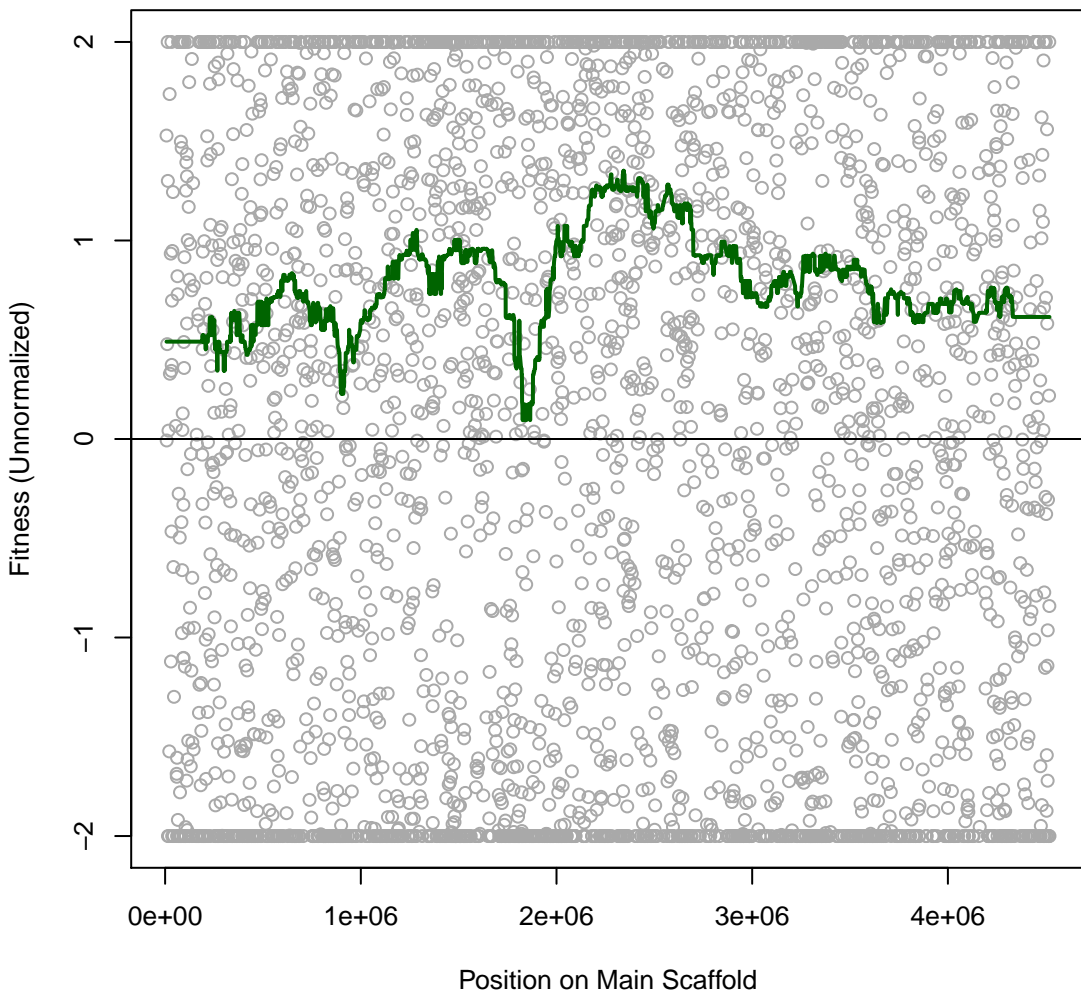
**Cup4G11 6IT060 #252 (gMed=264 rho12=0.080)**  
**perchlorate 50 mM**



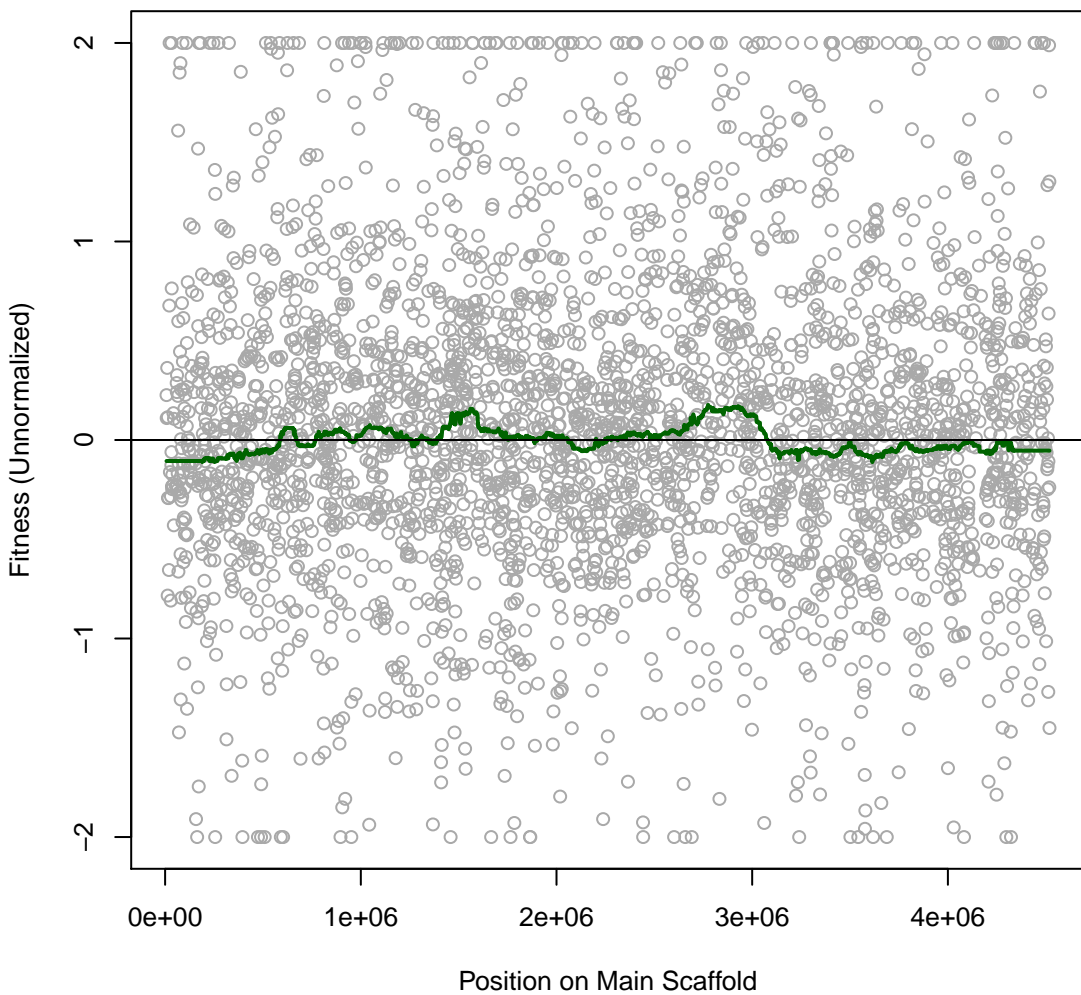
**Cup4G11 6IT061 #253 (gMed=6 rho12=0.039)**  
**Chloride 100 mM**



**Cup4G11 6IT062 #254 (gMed=215 rho12=0.094)**  
**Aluminum chloride 6 mM**

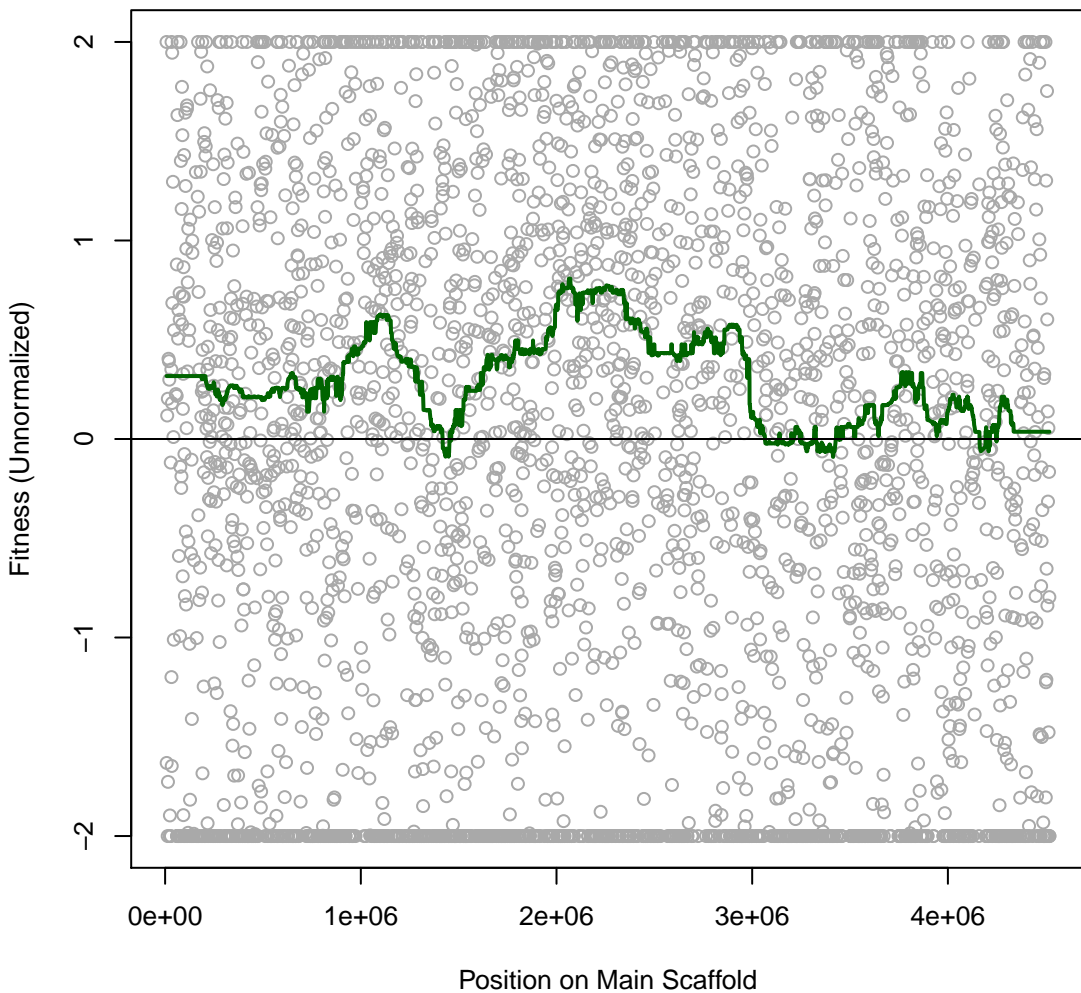


**Cup4G11 6IT063 #255 (gMed=11 rho12=0.049)**  
**Aluminum chloride 8 mM**



**Cup4G11 6IT064 #256 (gMed=242 rho12=0.054)**

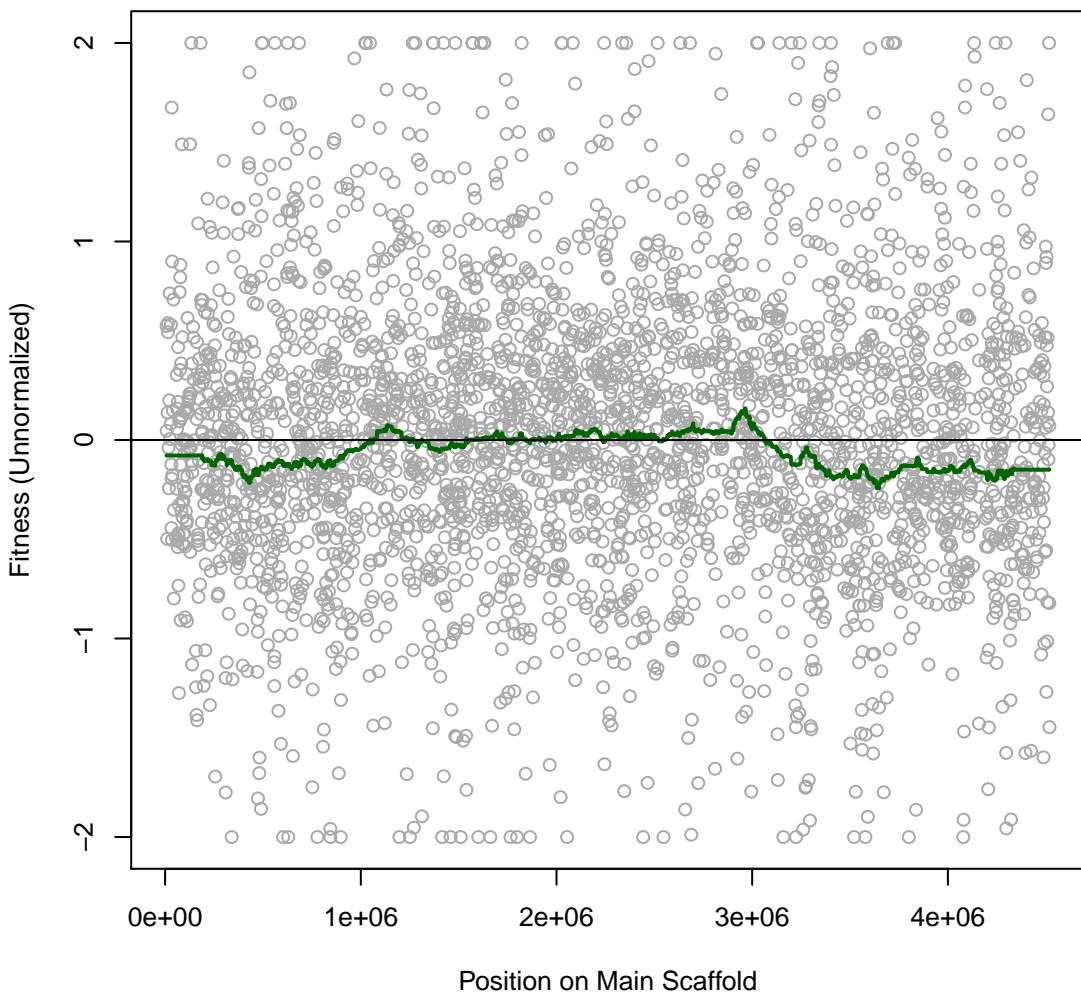
**D-Cycloserine 0.02 mg/ml**





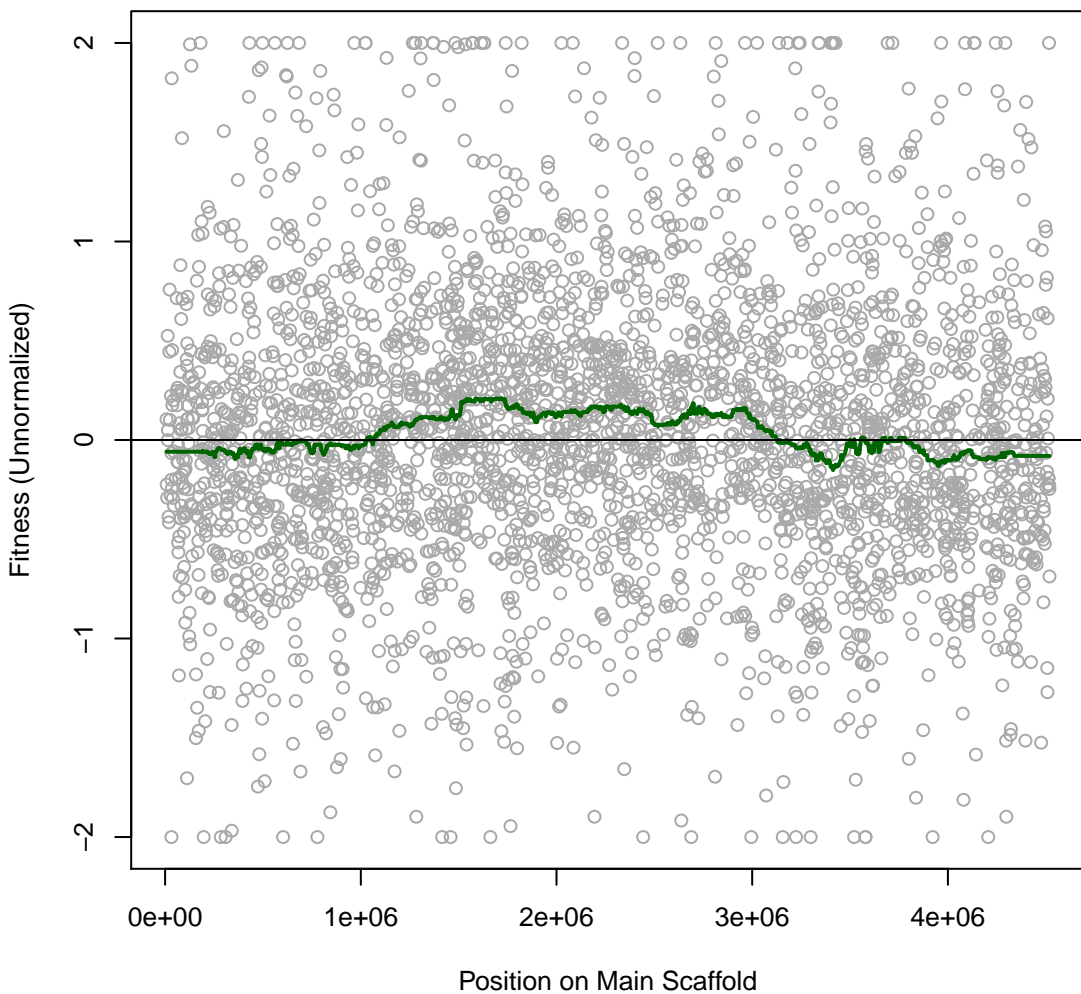
**Cup4G11 6IT065 #257 (gMed=2 rho12=0.033)**

**D-Cycloserine 0.035 mg/ml**



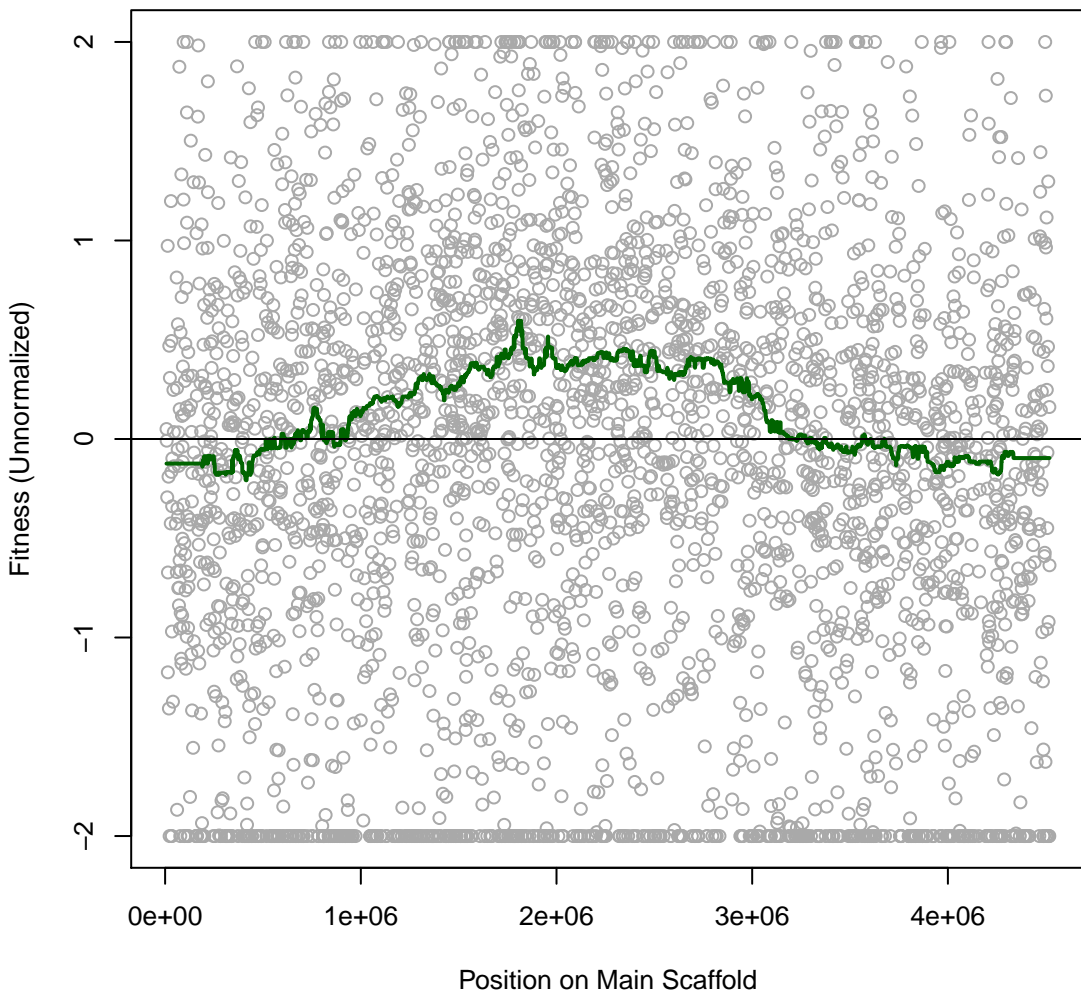
**Cup4G11 6IT066 #258 (gMed=3 rho12=0.056)**

**D-Cycloserine 0.05 mg/ml**

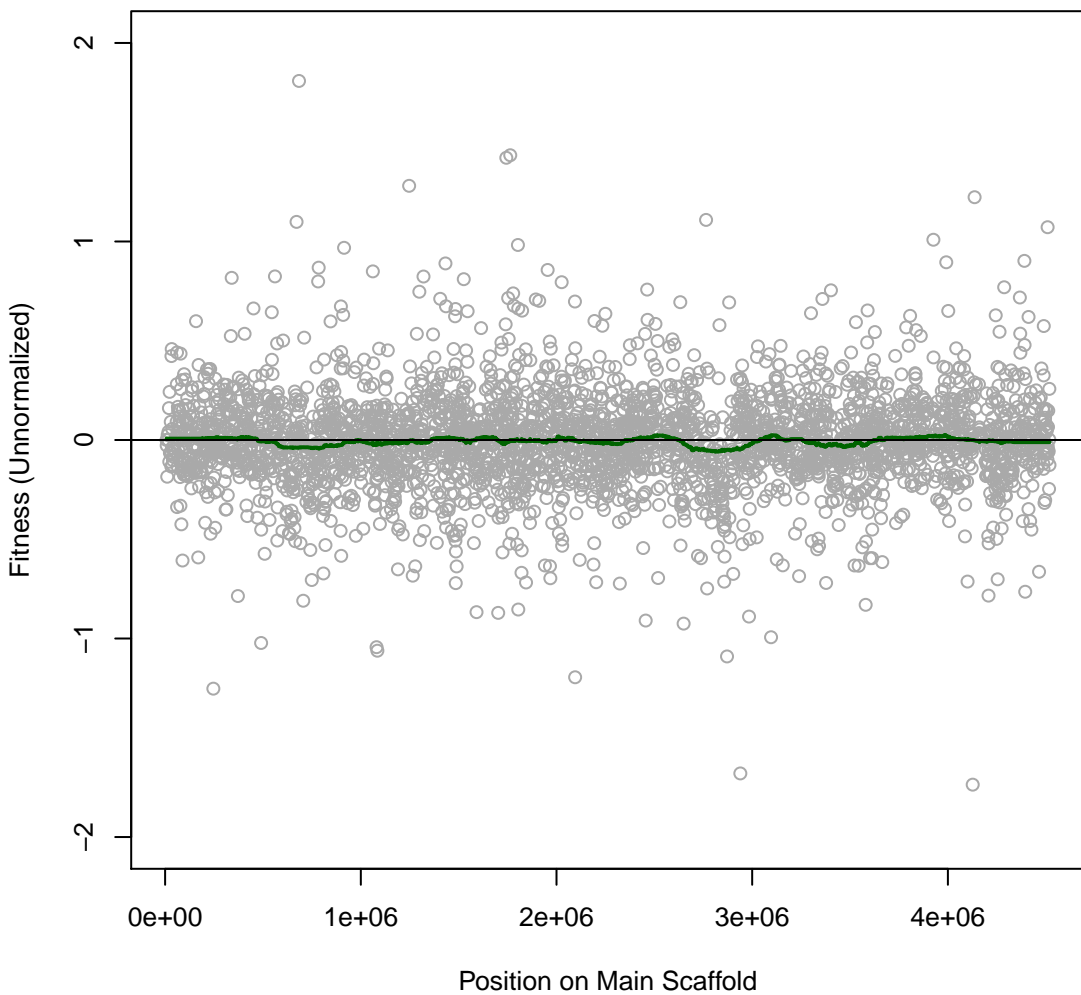




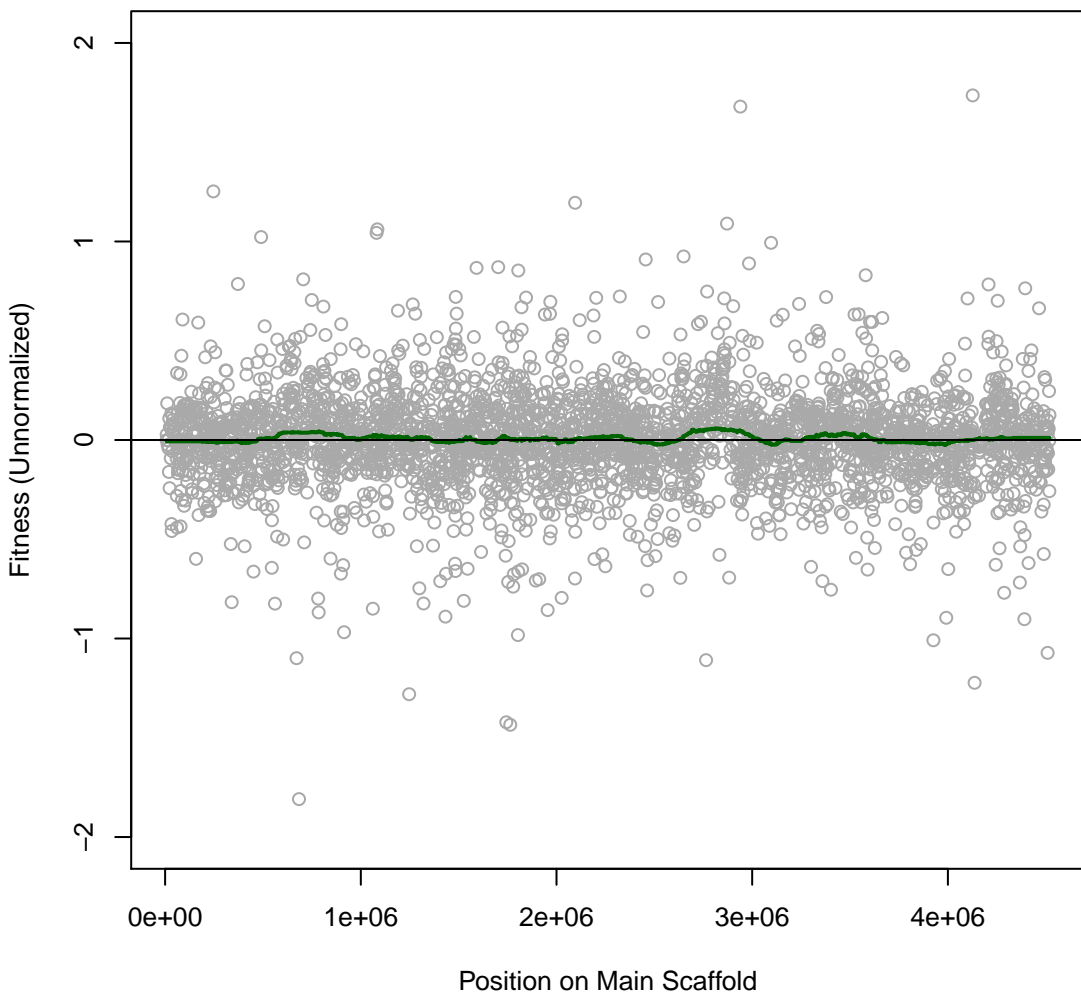
**Cup4G11 6IT067 #259 (gMed=321 rho12=0.044)**  
**LB**



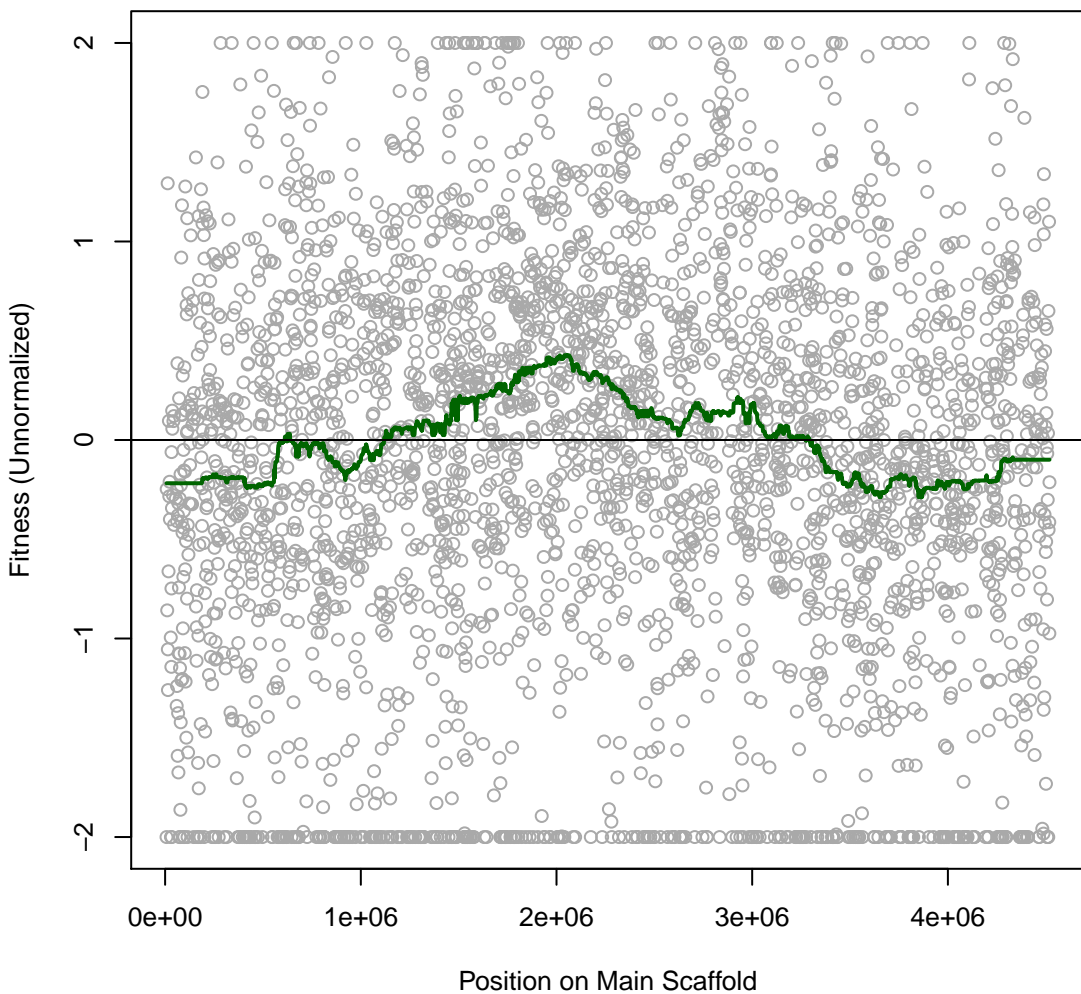
**Cup4G11 6IT068 #260 (gMed=304 rho12=0.003)**  
**Time0**



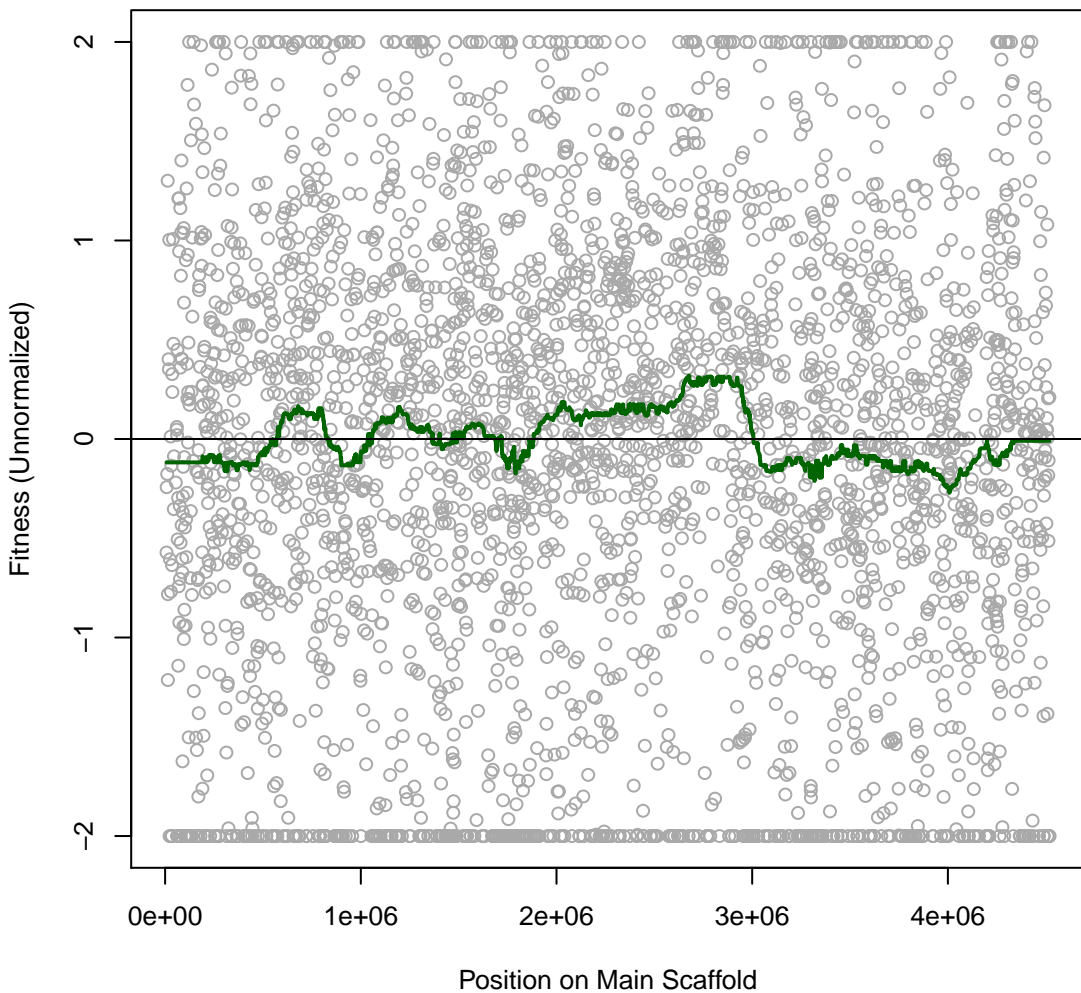
**Cup4G11 6IT069 #261 (gMed=366 rho12=0.003)**  
**Time0**



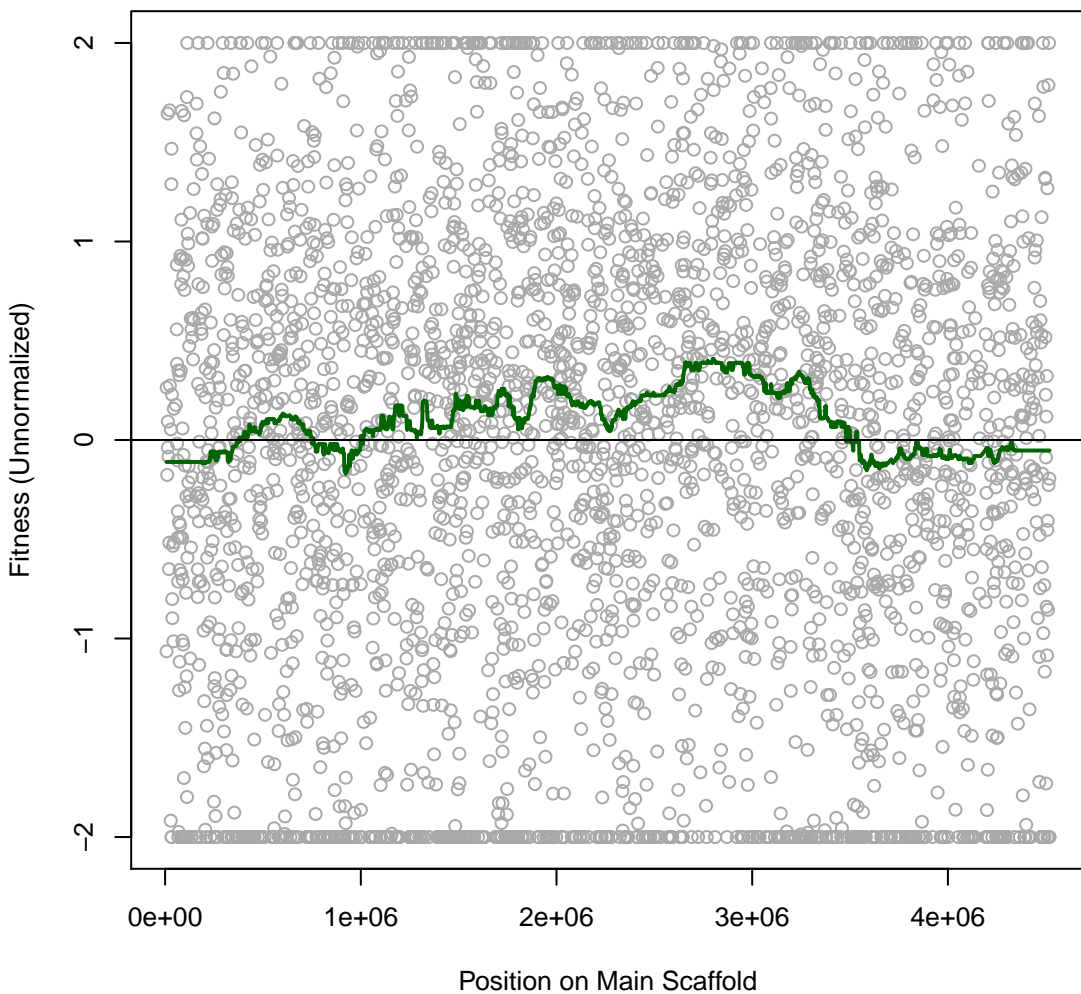
**Cup4G11 6IT070 #262 (gMed=331 rho12=0.068)**  
**Nickel (II) chloride 0.5 mM**



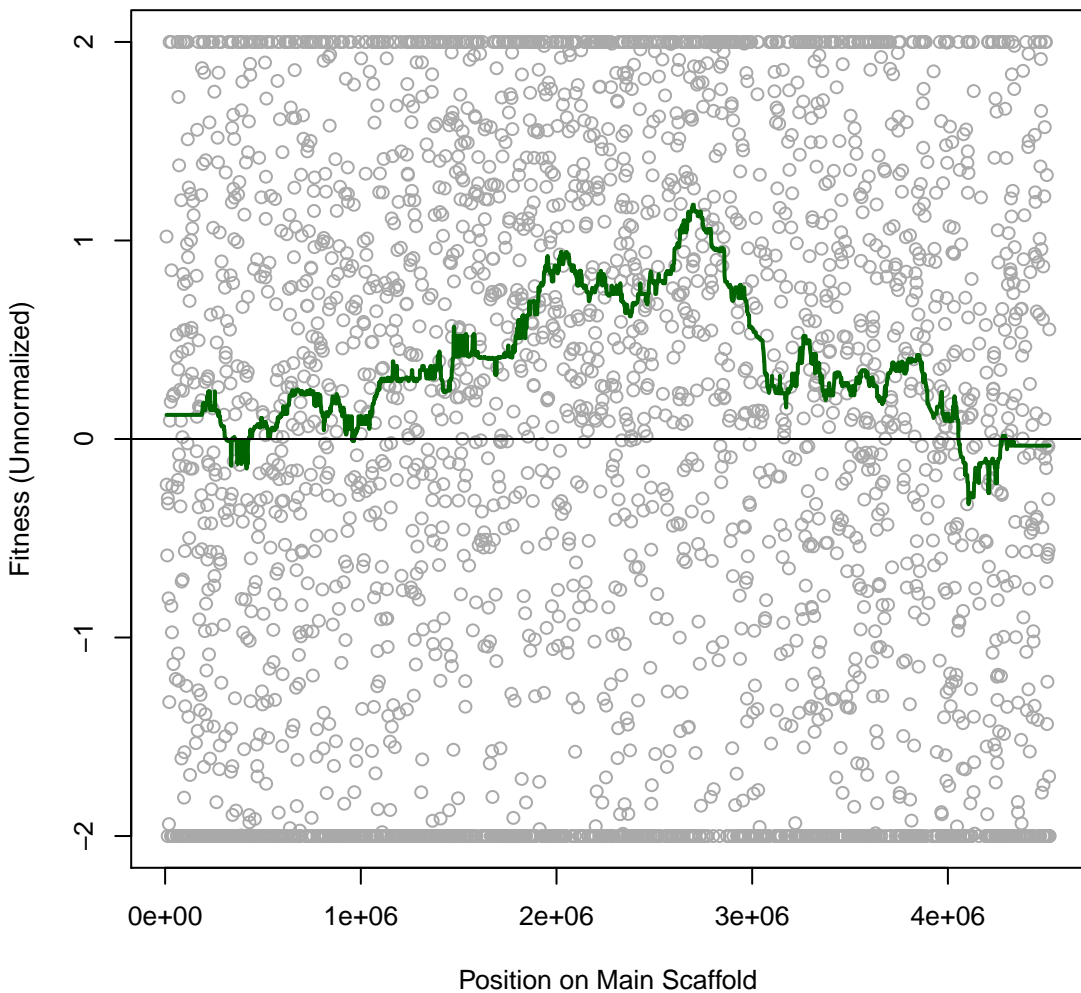
**Cup4G11 6IT071 #263 (gMed=263 rho12=0.066)**  
**Cobalt chloride 0.3 mM**



**Cup4G11 6IT072 #264 (gMed=221 rho12=0.081)**  
**Cobalt chloride 0.4 mM**

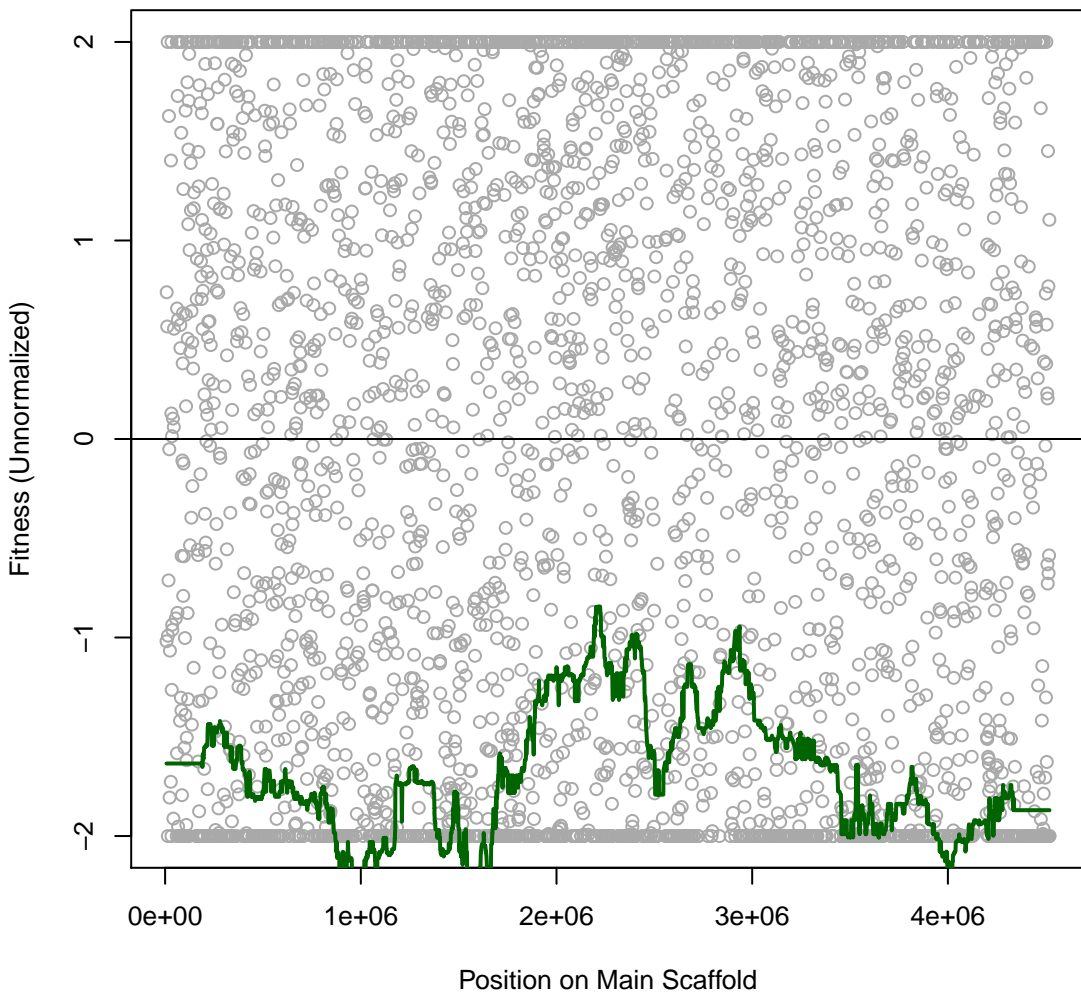


**Cup4G11 6IT073 #265 (gMed=248 rho12=0.079)**  
**copper (II) chloride 0.5 mM**





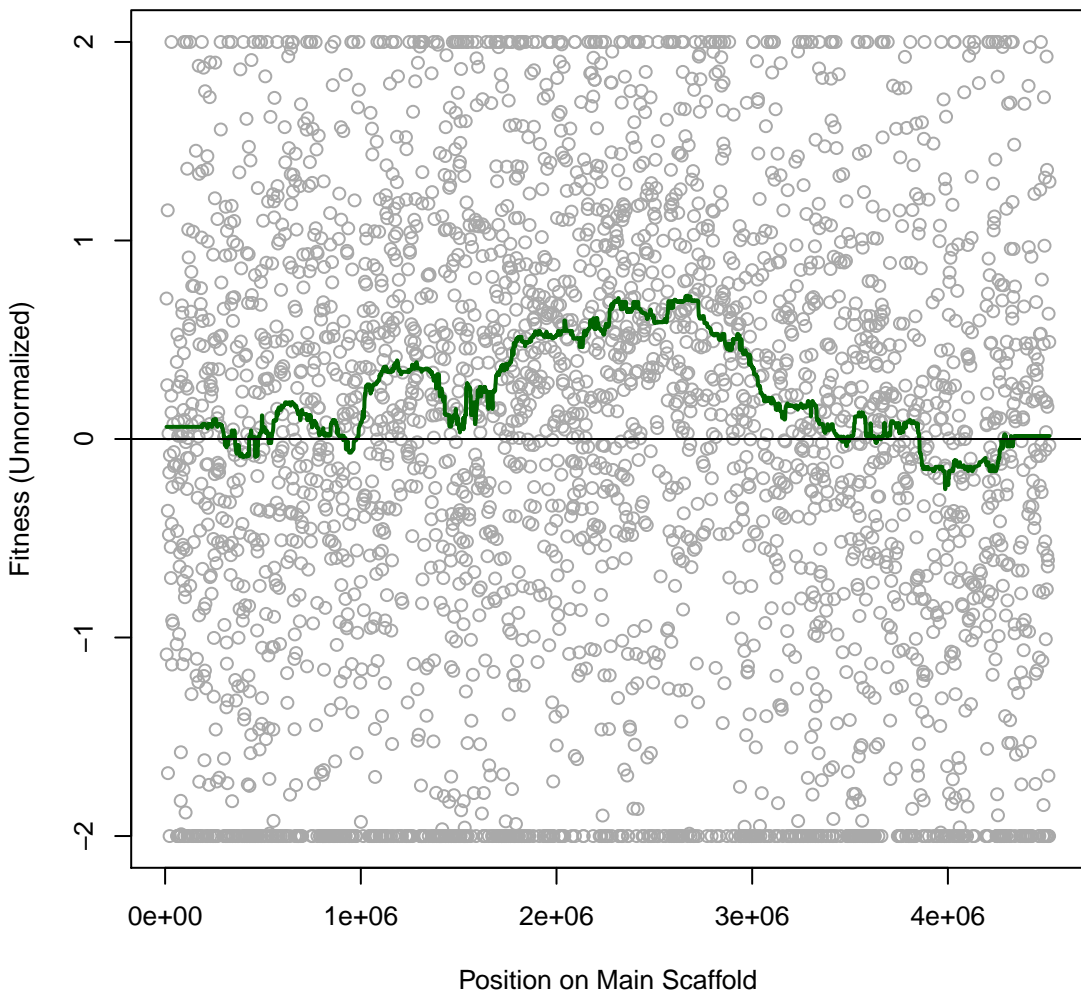
**Cup4G11 6IT074 #266 (gMed=121 rho12=0.301)**  
**copper (II) chloride 0.75 mM**





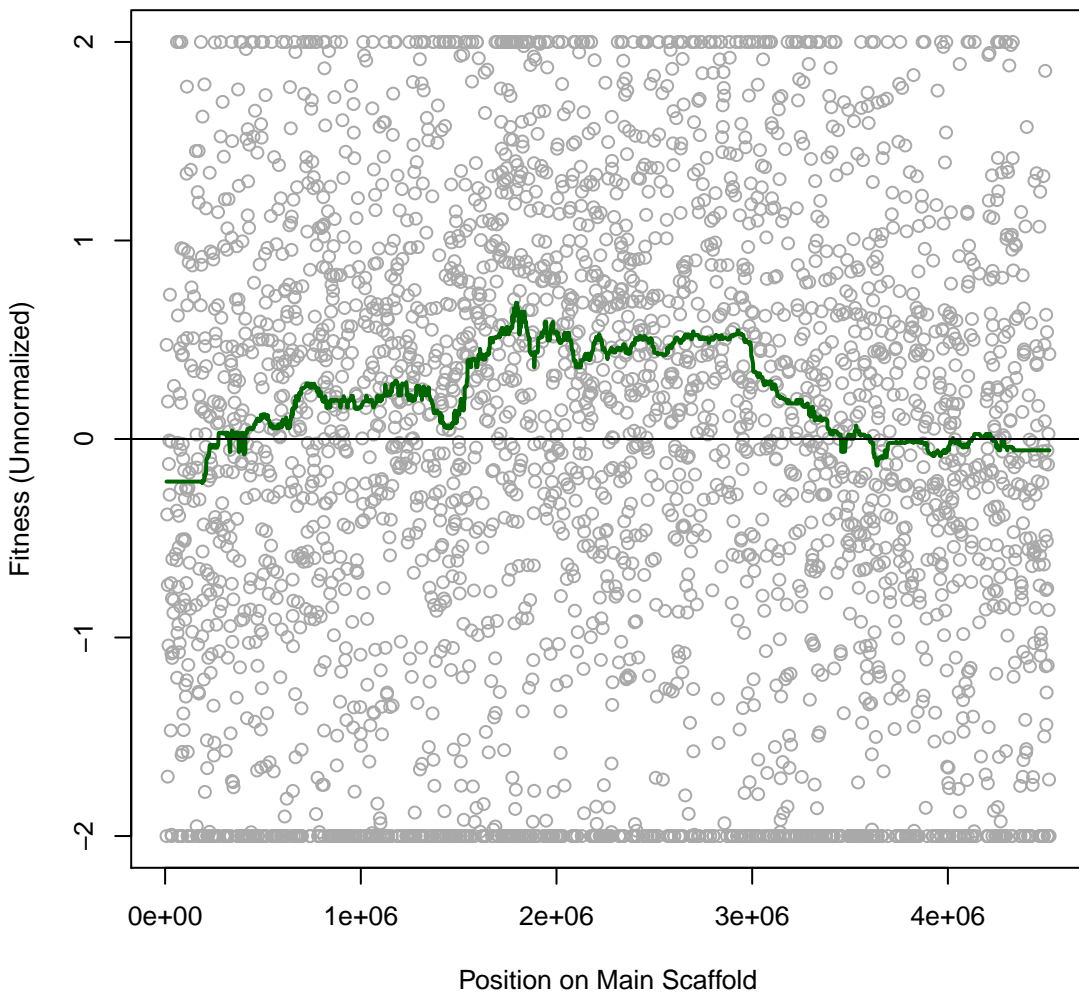
**Cup4G11 6IT075 #267 (gMed=294 rho12=0.081)**

**Cisplatin 0.00025 mg/ml**



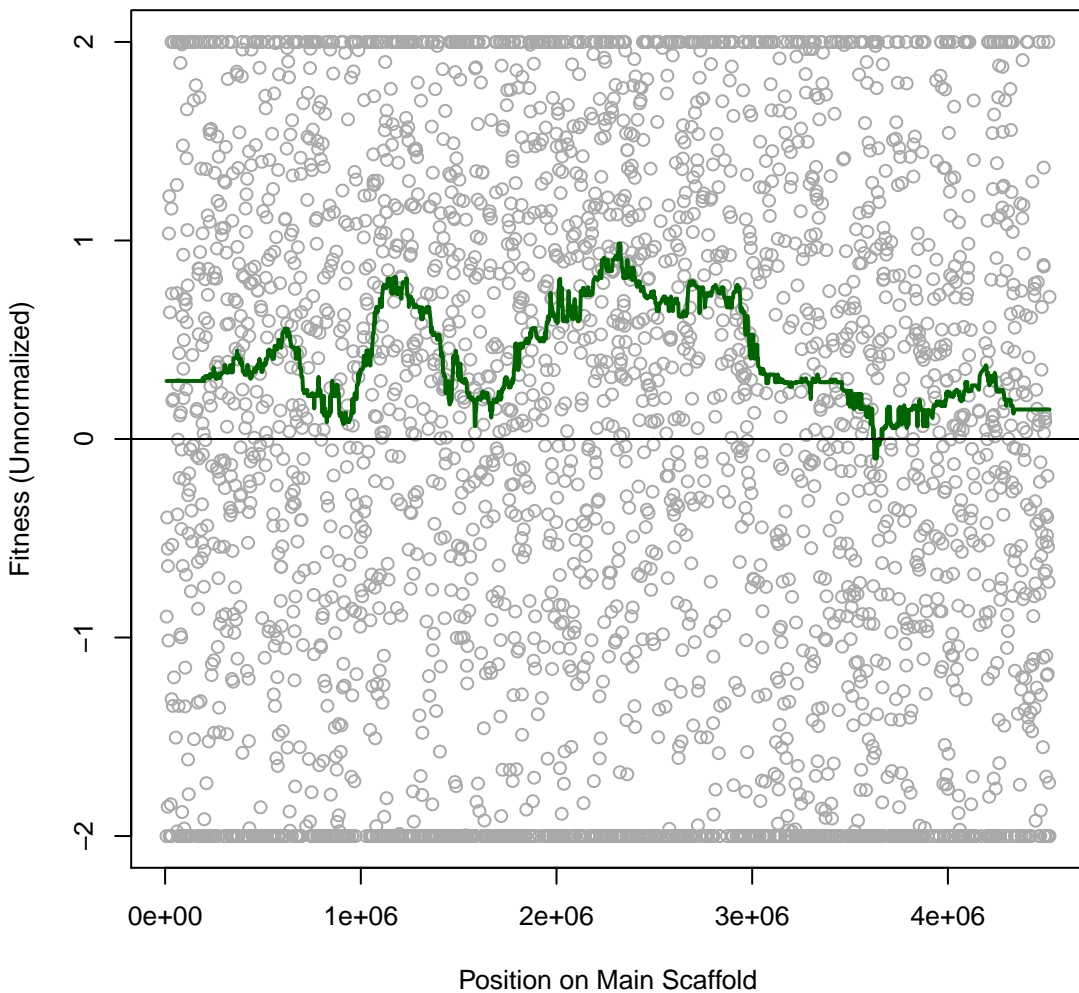
**Cup4G11 6IT076 #268 (gMed=338 rho12=0.071)**

**Cisplatin 0.0005 mg/ml**

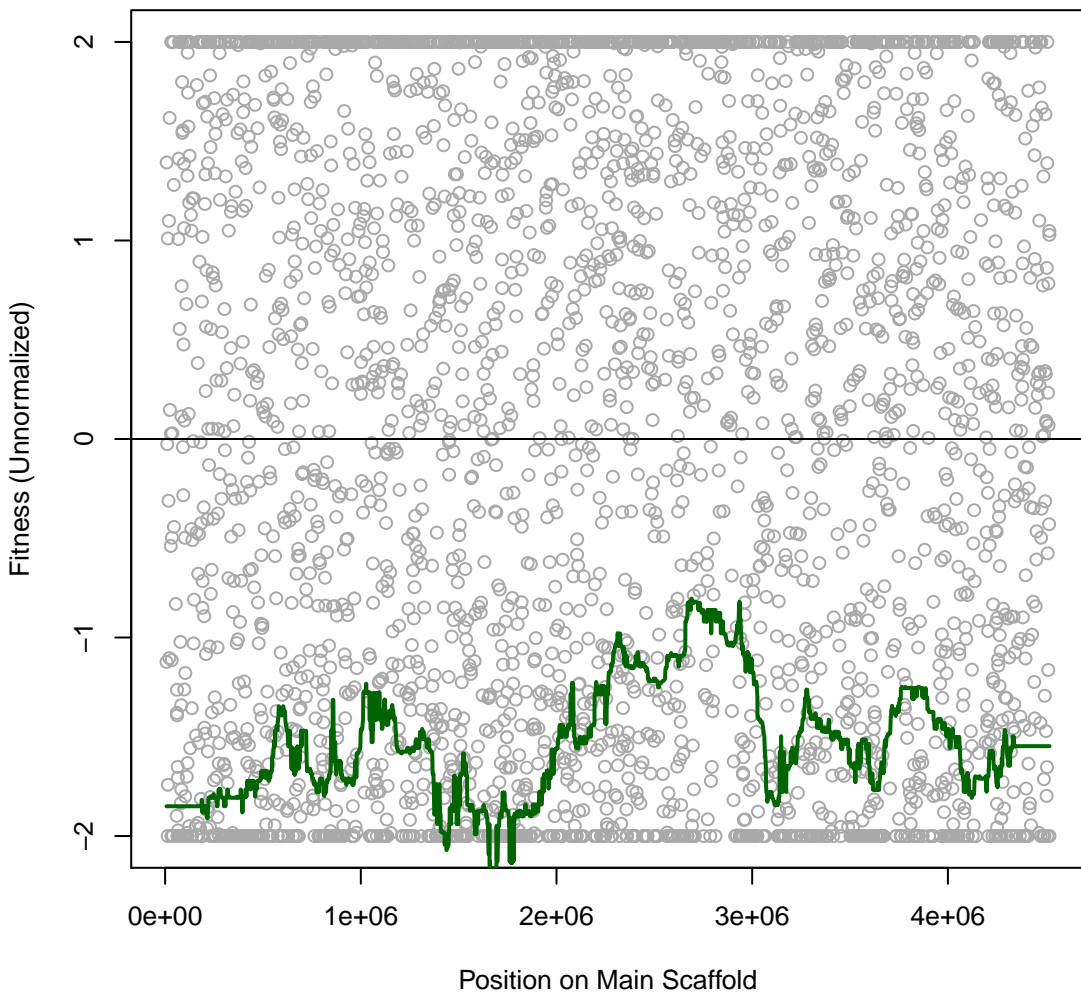


**Cup4G11 6IT077 #269 (gMed=207 rho12=0.070)**

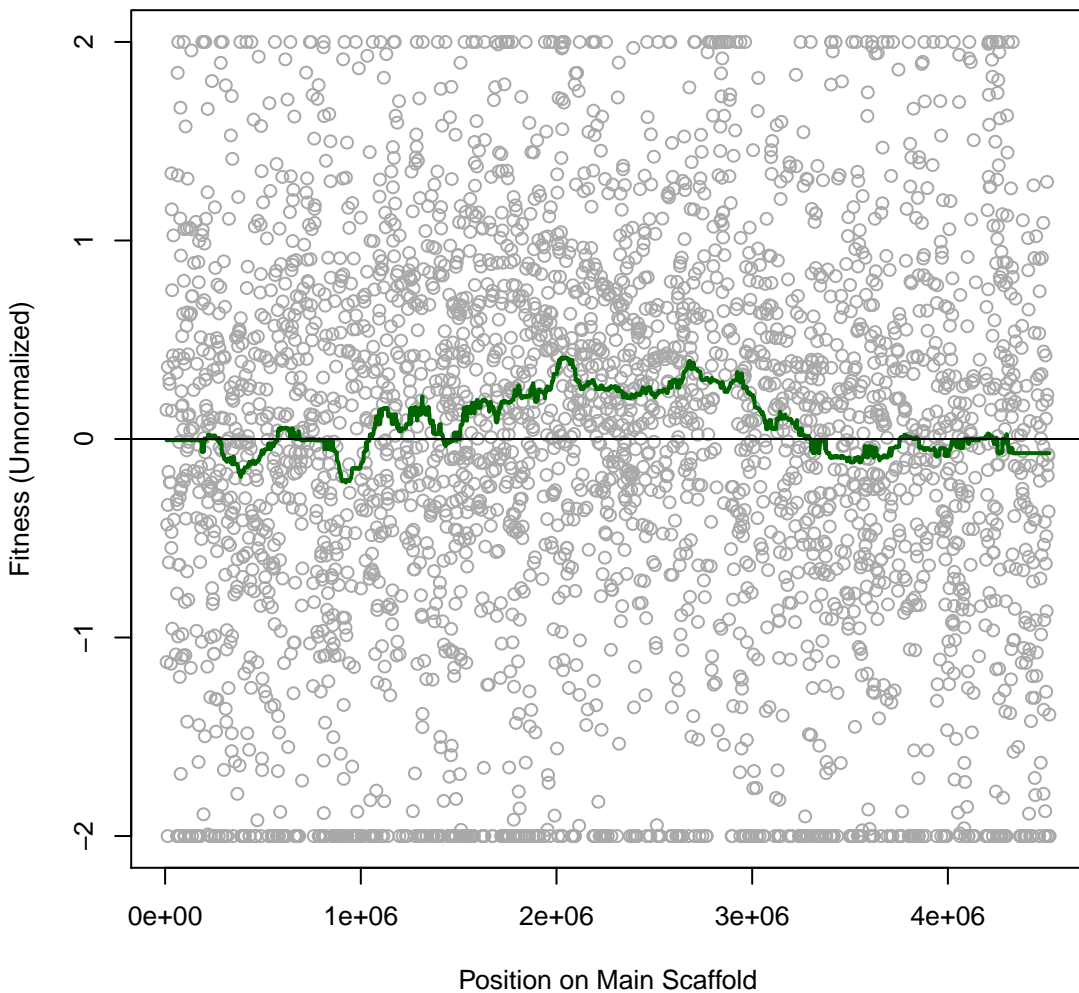
**Cisplatin 0.001 mg/ml**



**Cup4G11 6IT078 #270 (gMed=160 rho12=0.072)**  
**nitrite 2.5 mM**

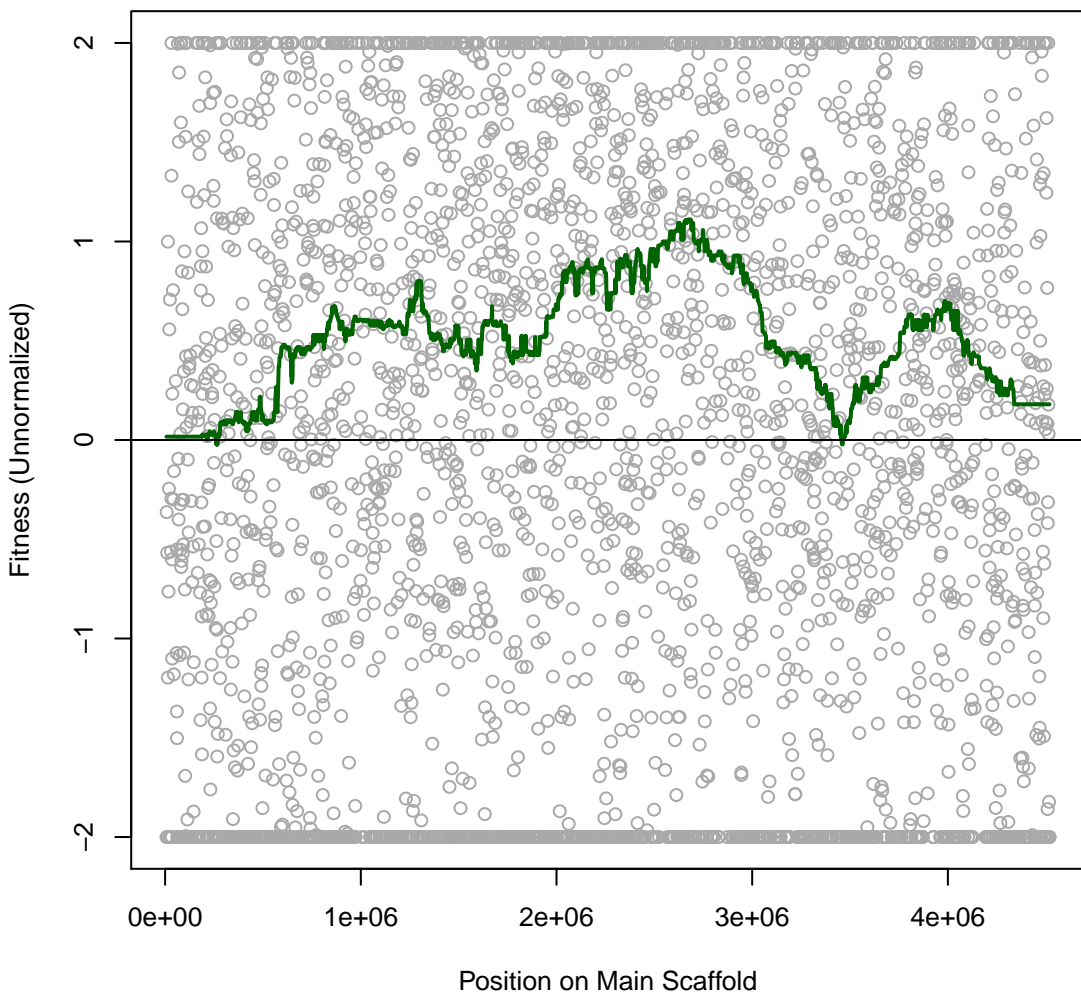


**Cup4G11 6IT079 #271 (gMed=406 rho12=0.097)**  
**perchlorate 20 mM**



**Cup4G11 6IT080 #272 (gMed=304 rho12=0.052)**

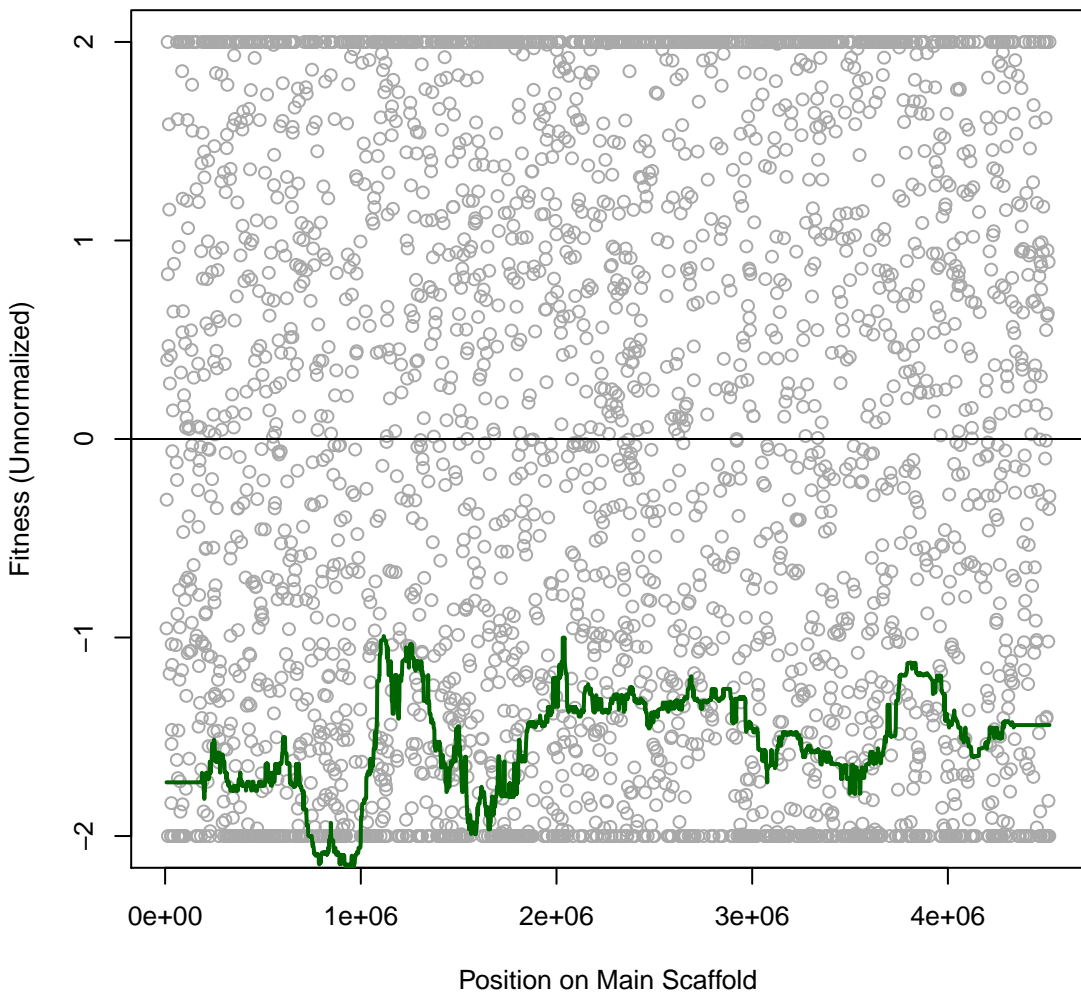
**D-Cycloserine 0.01 mg/ml**



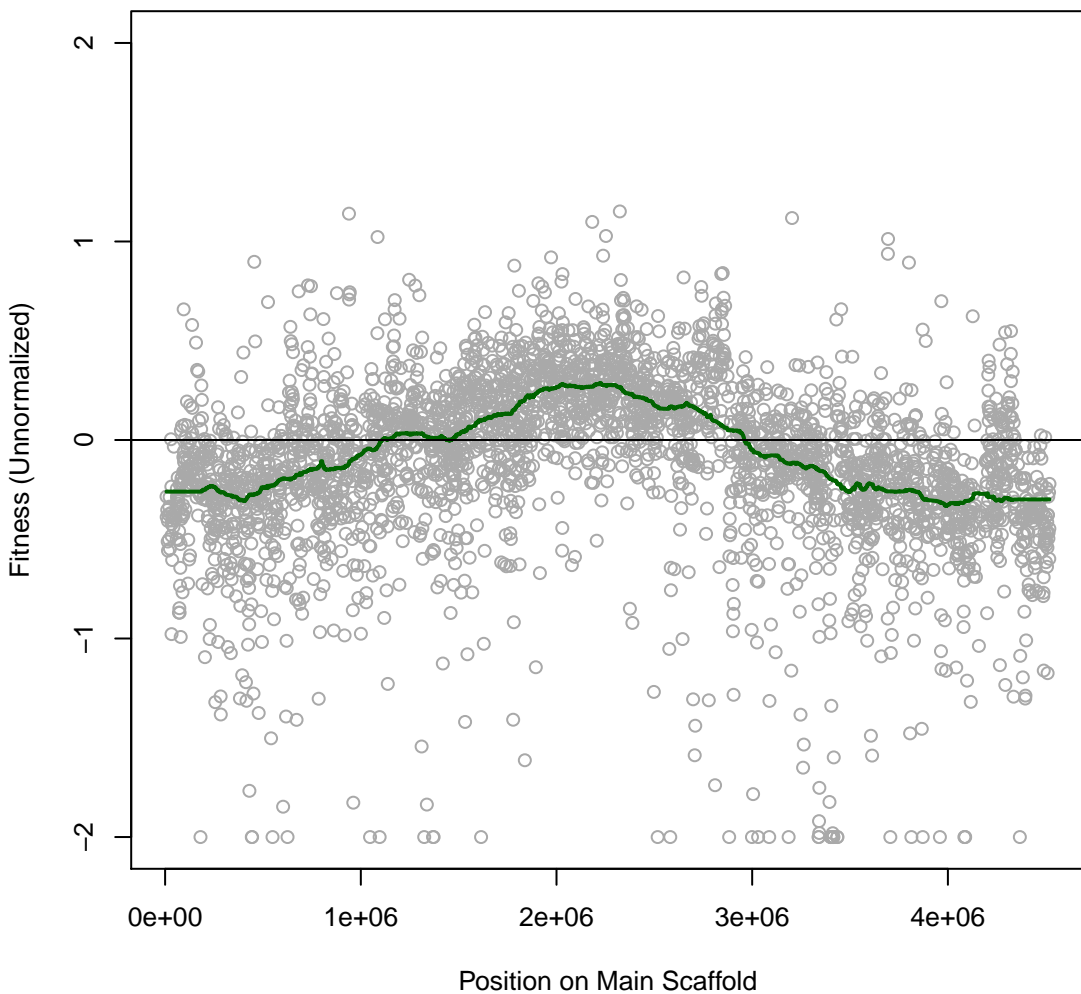


**Cup4G11 6IT081 #273 (gMed=81 rho12=0.102)**

**D-Cycloserine 0.02 mg/ml**

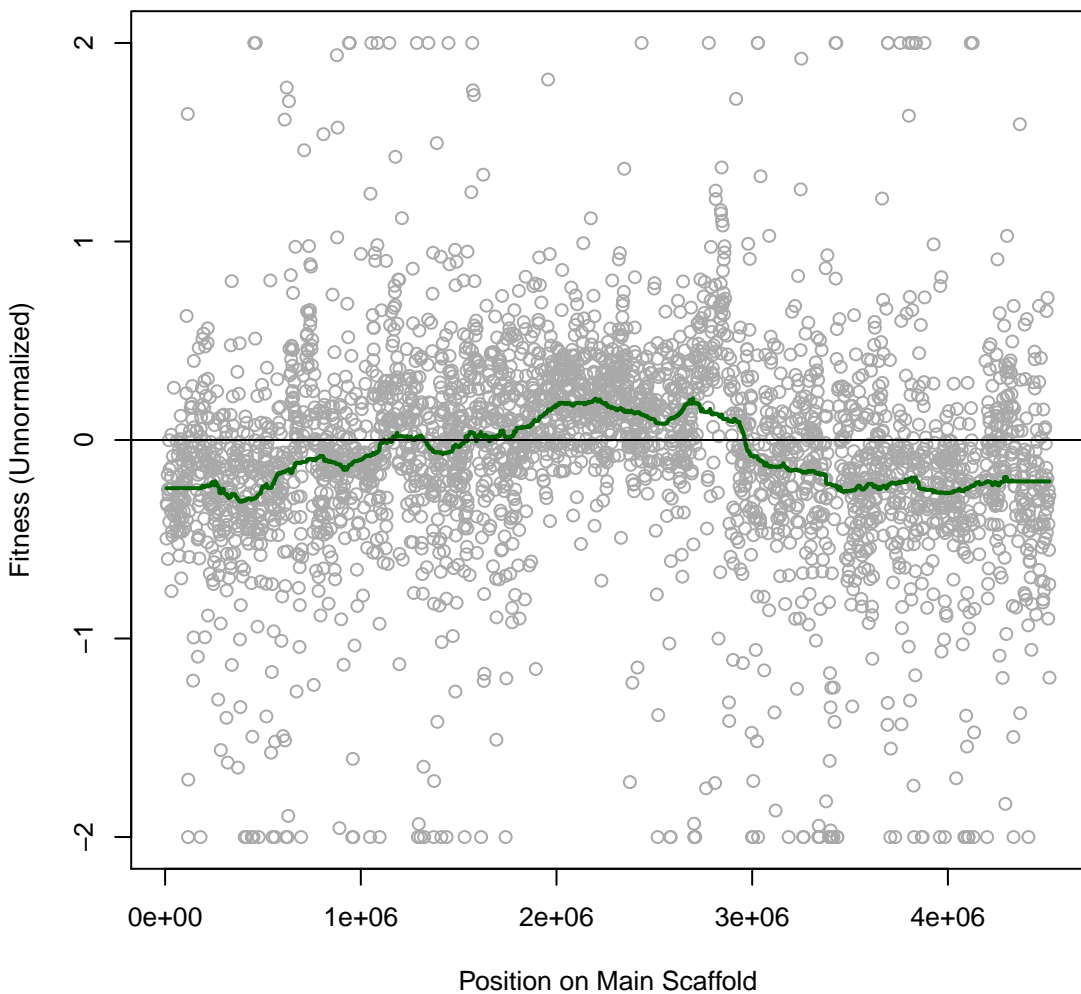


**Cup4G11 6IT082 #274 (gMed=320 rho12=0.213)**  
**R2A with Nickel (II) chloride 0.25 mM**

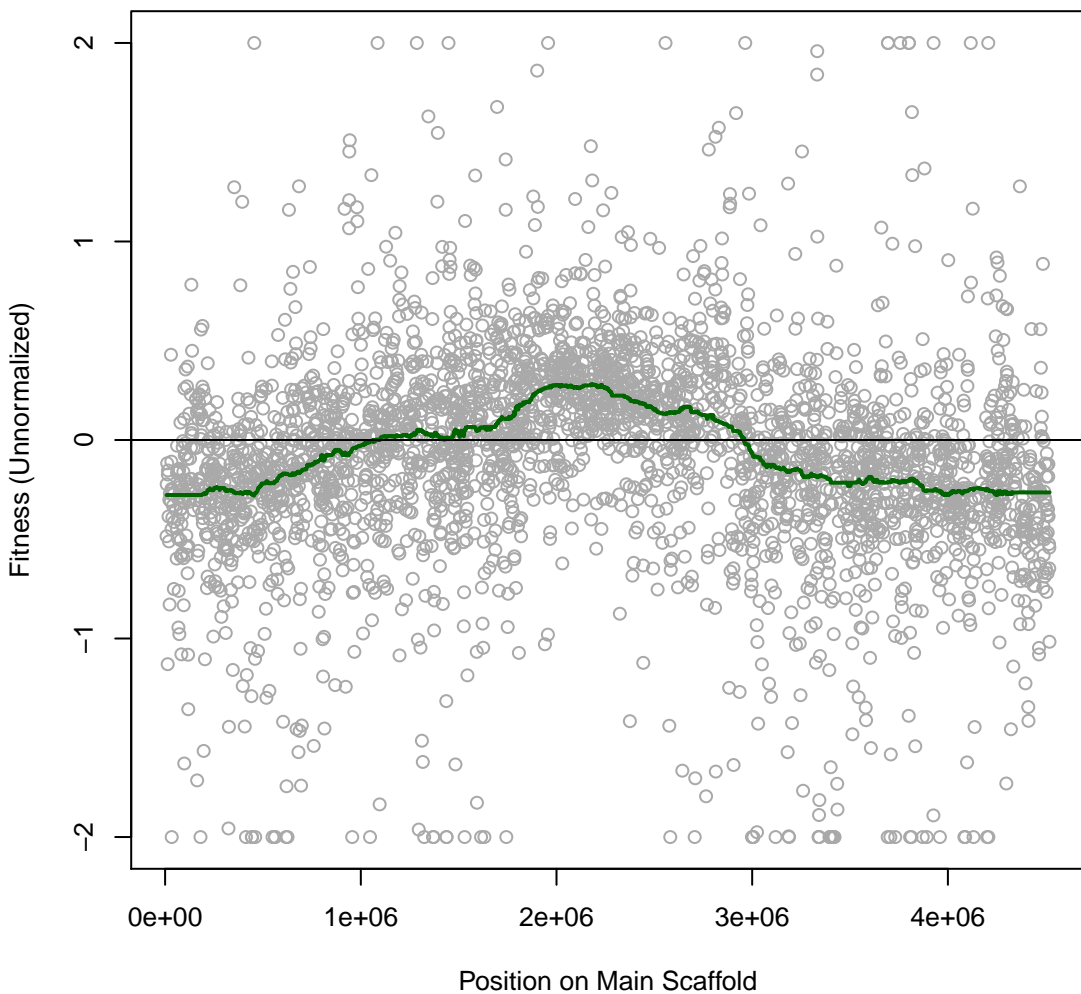




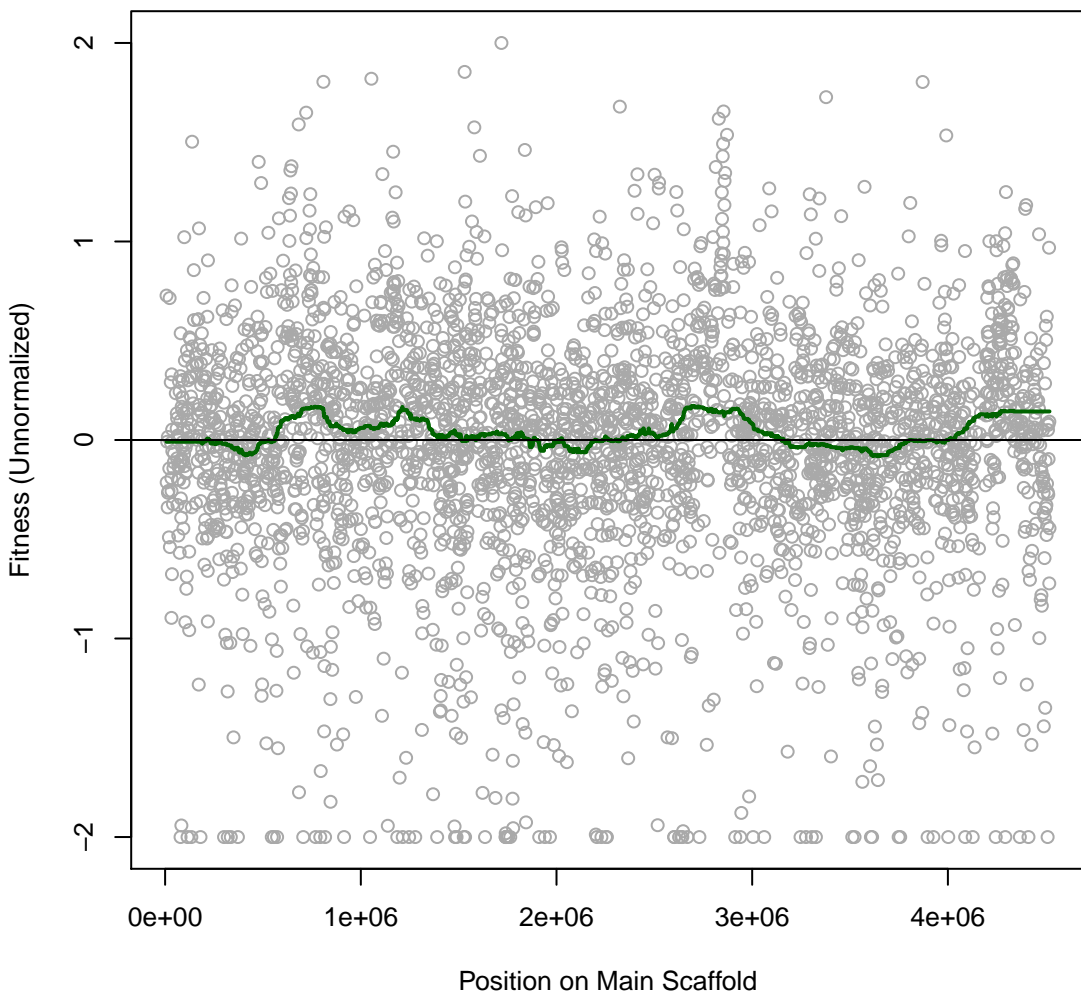
**Cup4G11 6IT083 #275 (gMed=258 rho12=0.277)**  
**R2A with Nickel (II) chloride 0.5 mM**



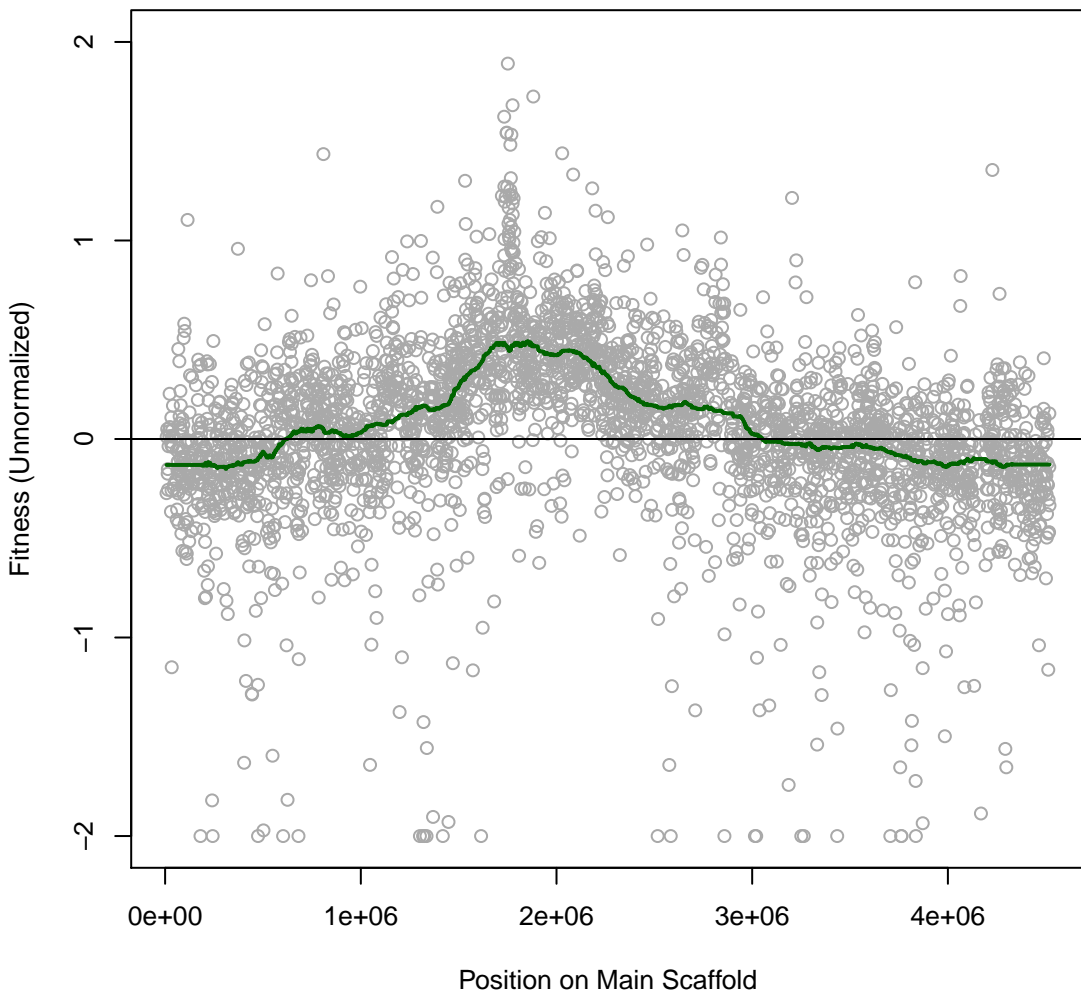
**Cup4G11 6IT084 #276 (gMed=343 rho12=0.208)**  
**R2A with Cobalt chloride 0.3 mM**



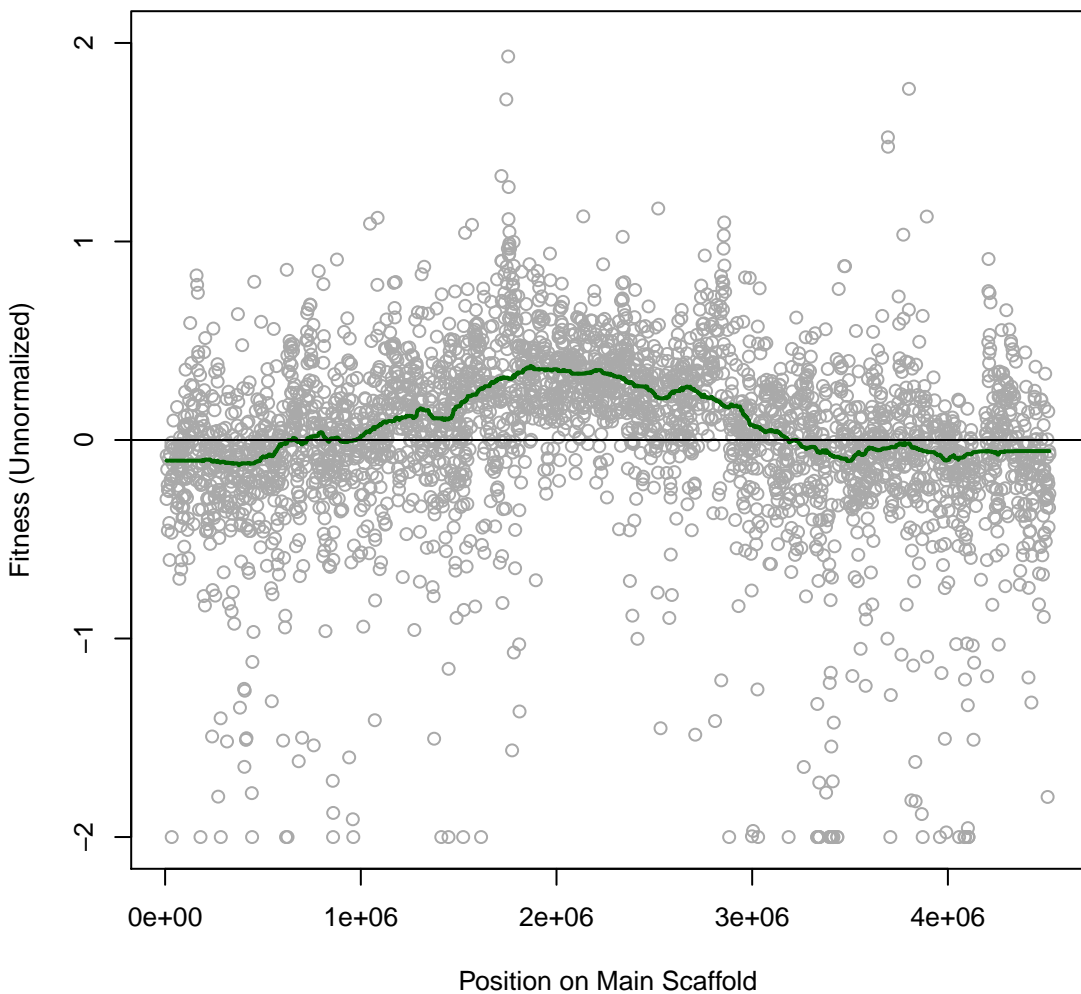
**Cup4G11 6IT085 #277 (gMed=211 rho12=0.018)**  
**R2A with copper (II) chloride 0.75 mM**



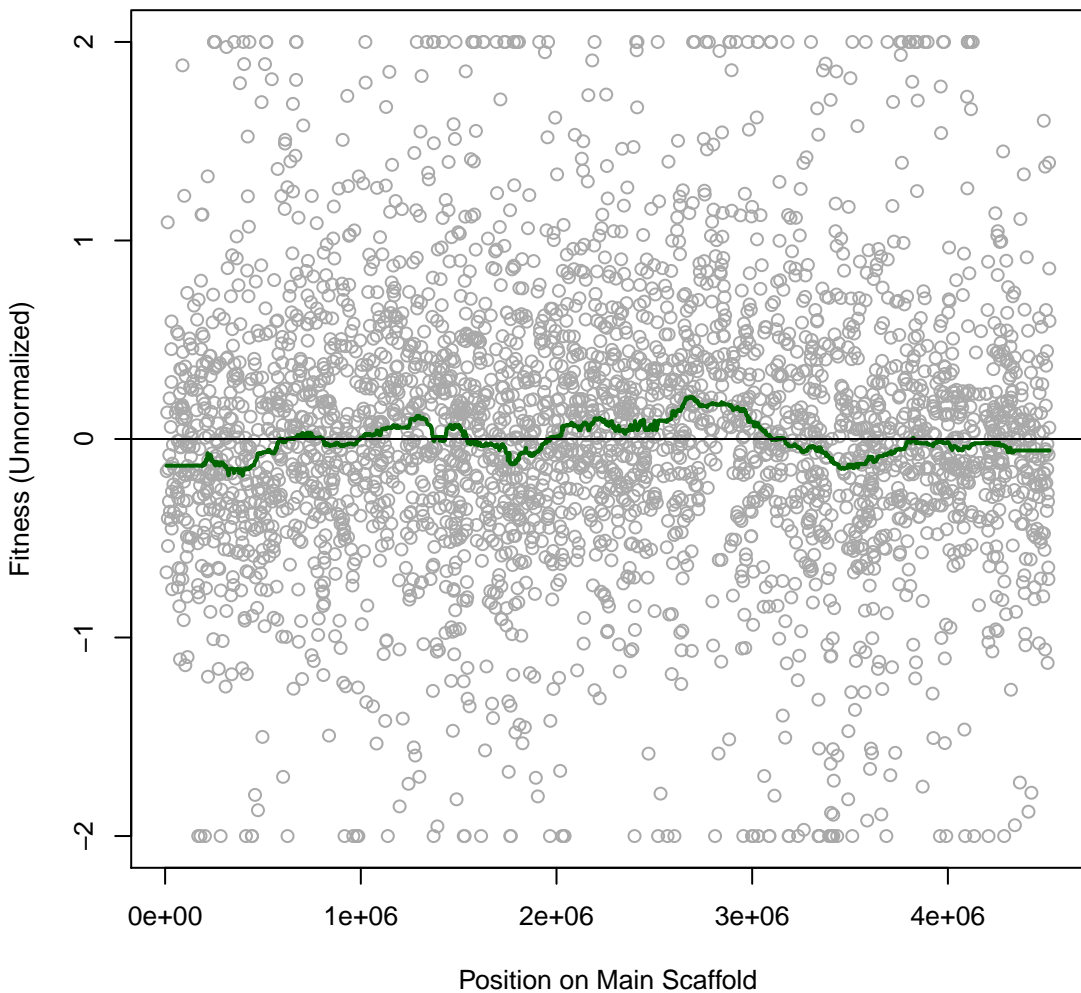
**Cup4G11 6IT086 #278 (gMed=342 rho12=0.128)**  
**R2A with Cisplatin 0.001 mg/ml**



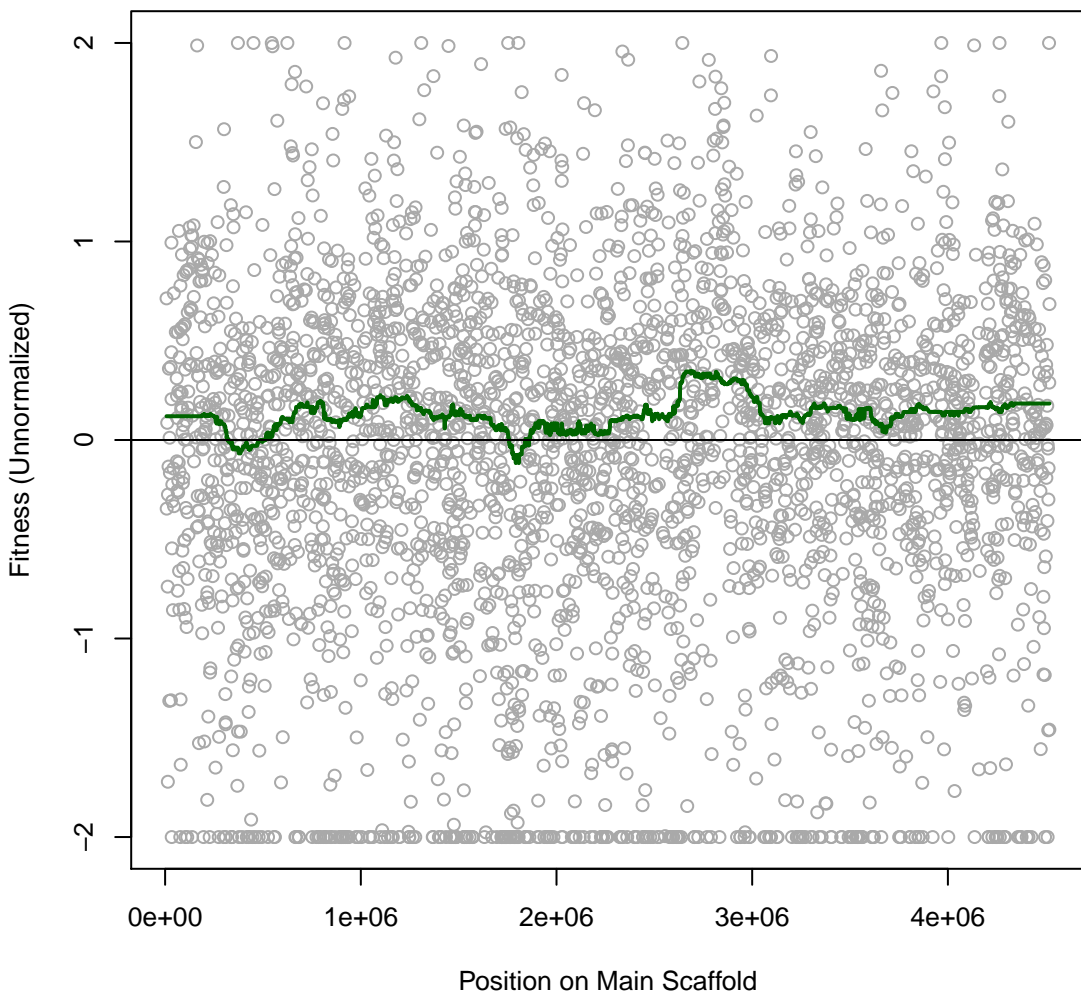
**Cup4G11 6IT087 #279 (gMed=431 rho12=0.244)**  
**R2A with nitrate 150 mM**



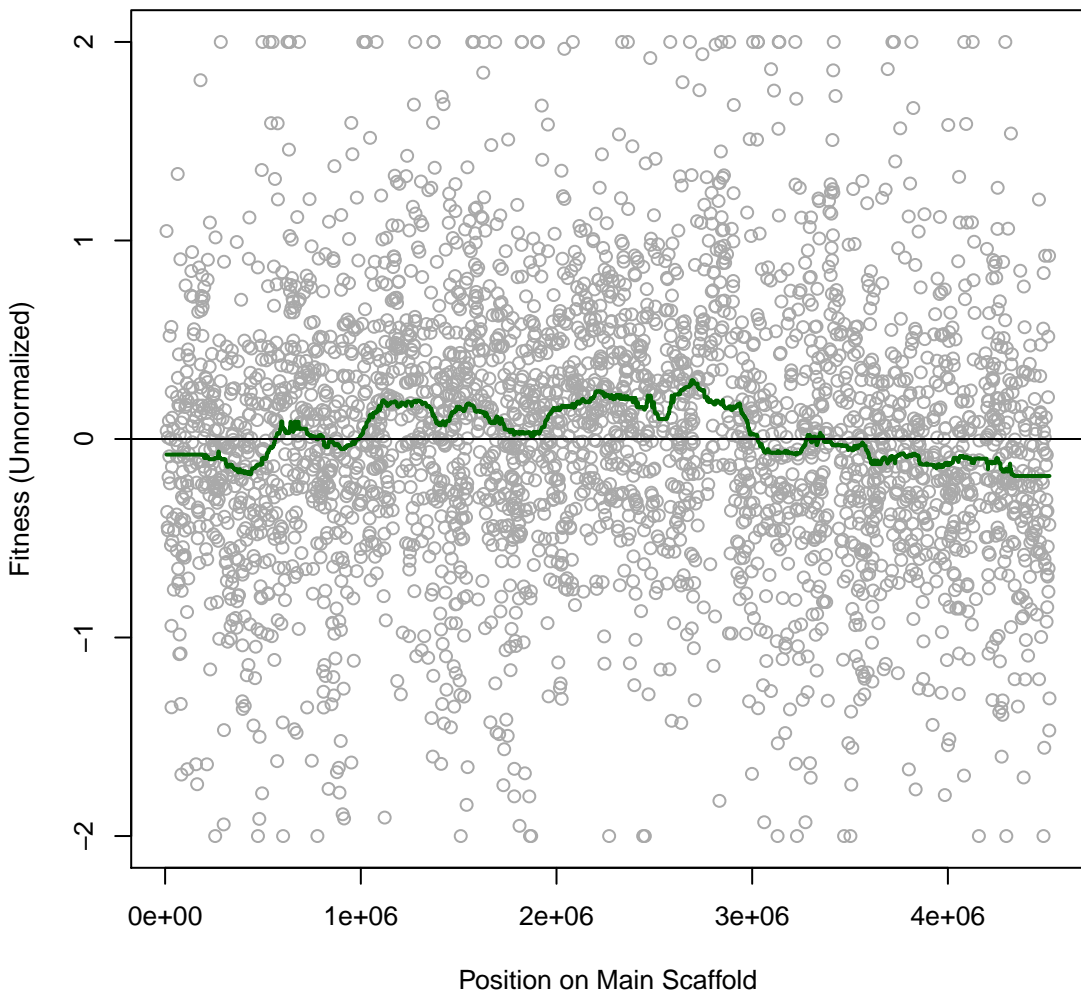
**Cup4G11 6IT088 #280 (gMed=210 rho12=0.122)**  
**R2A with Aluminum chloride 2 mM**



**Cup4G11 6IT089 #281 (gMed=108 rho12=0.035)**  
**R2A with Aluminum chloride 8 mM**



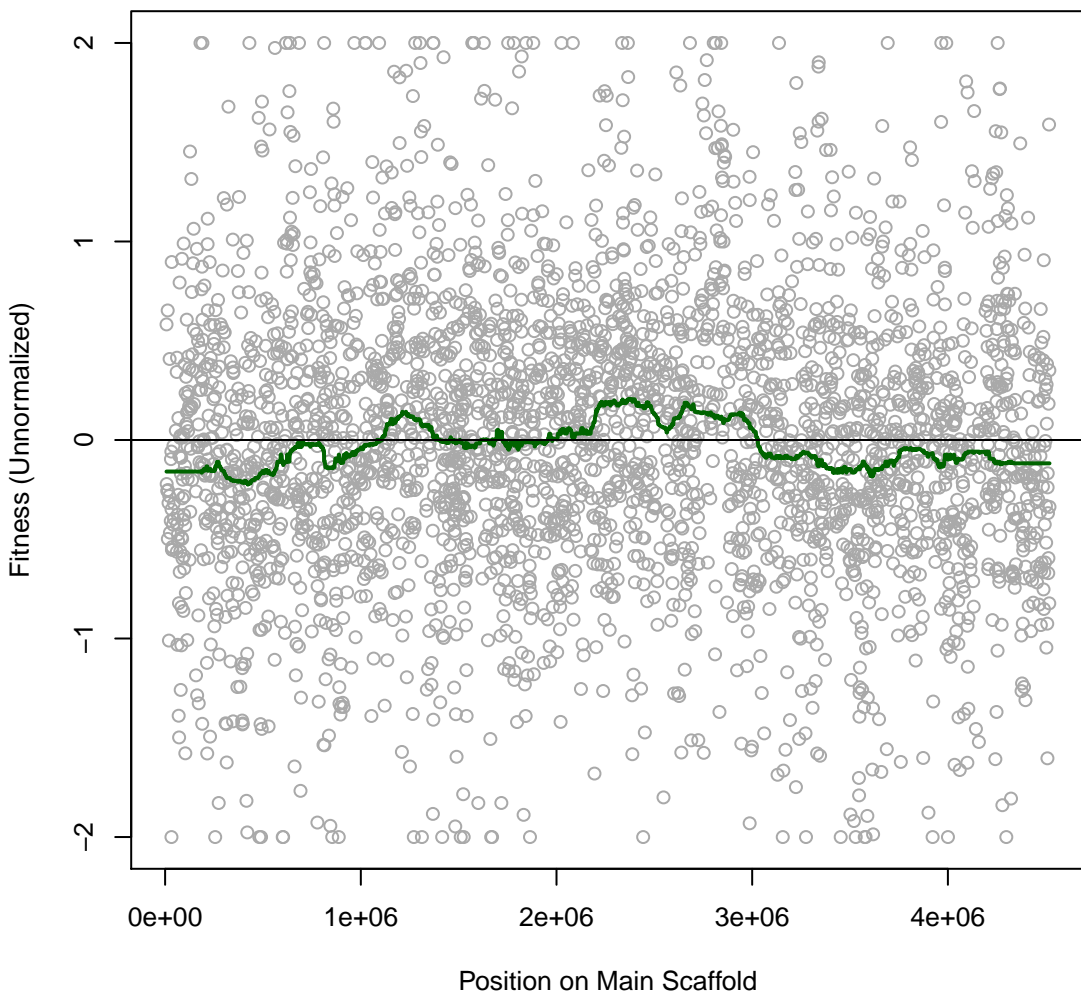
**Cup4G11 6IT090 #282 (gMed=9 rho12=0.064)**  
**R2A with D-Cycloserine 0.035 mg/ml**



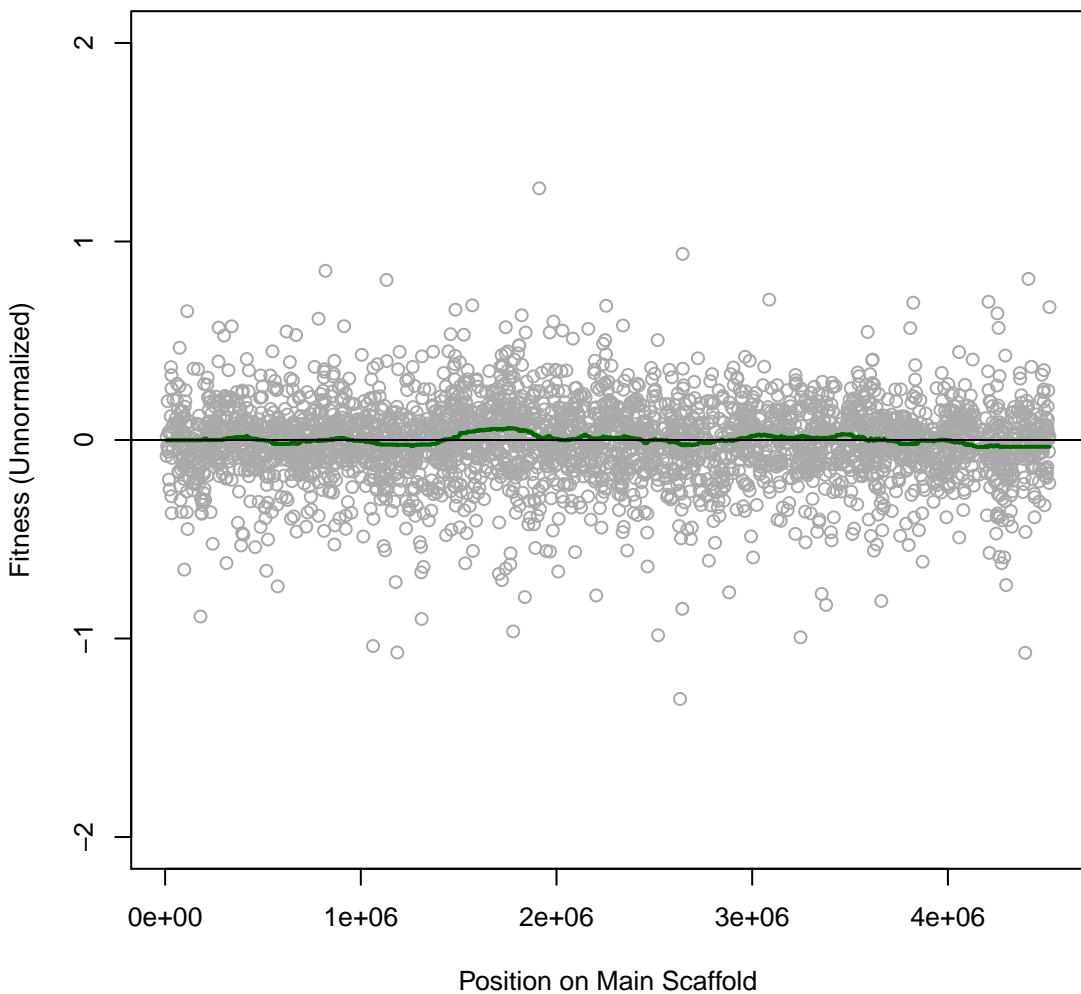


**Cup4G11 6IT091 #283 (gMed=4 rho12=0.089)**

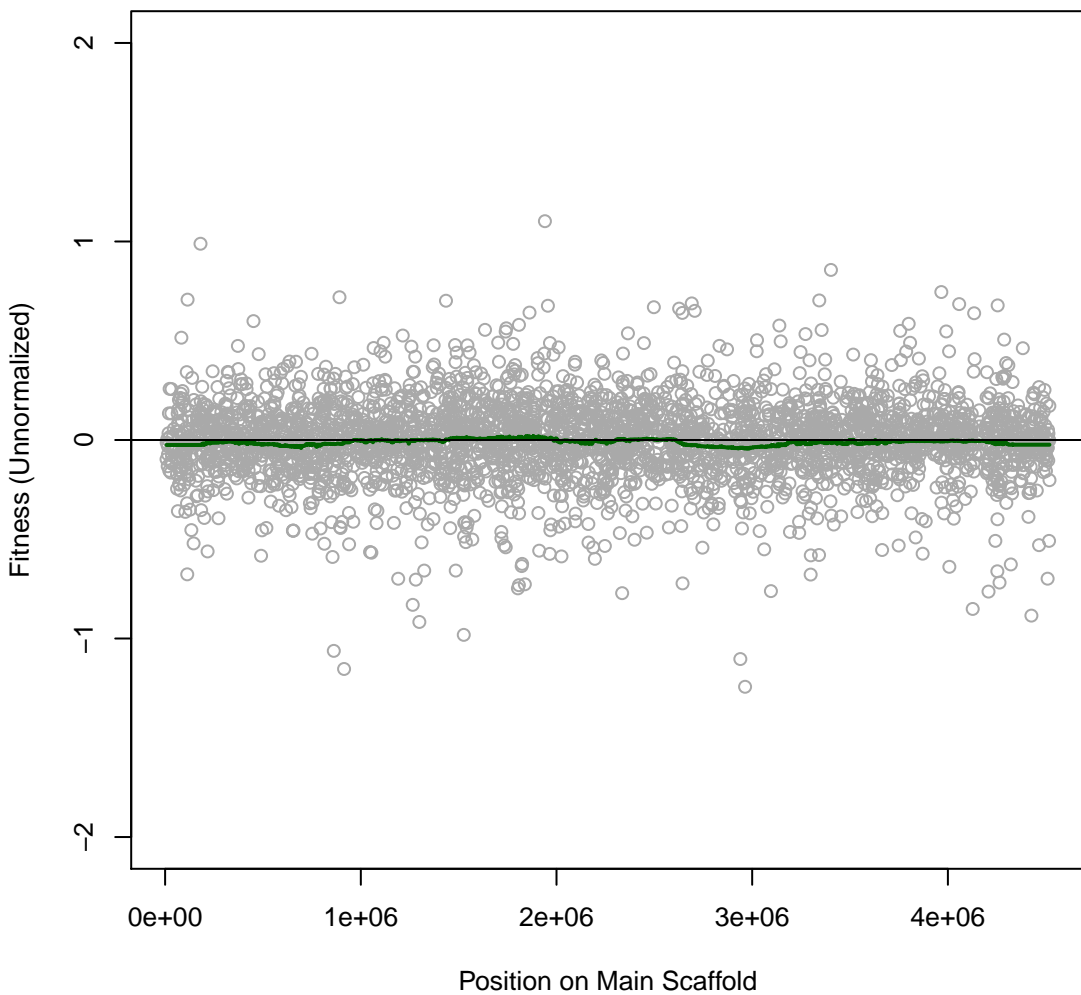
**R2A with D-Cycloserine 0.05 mg/ml**



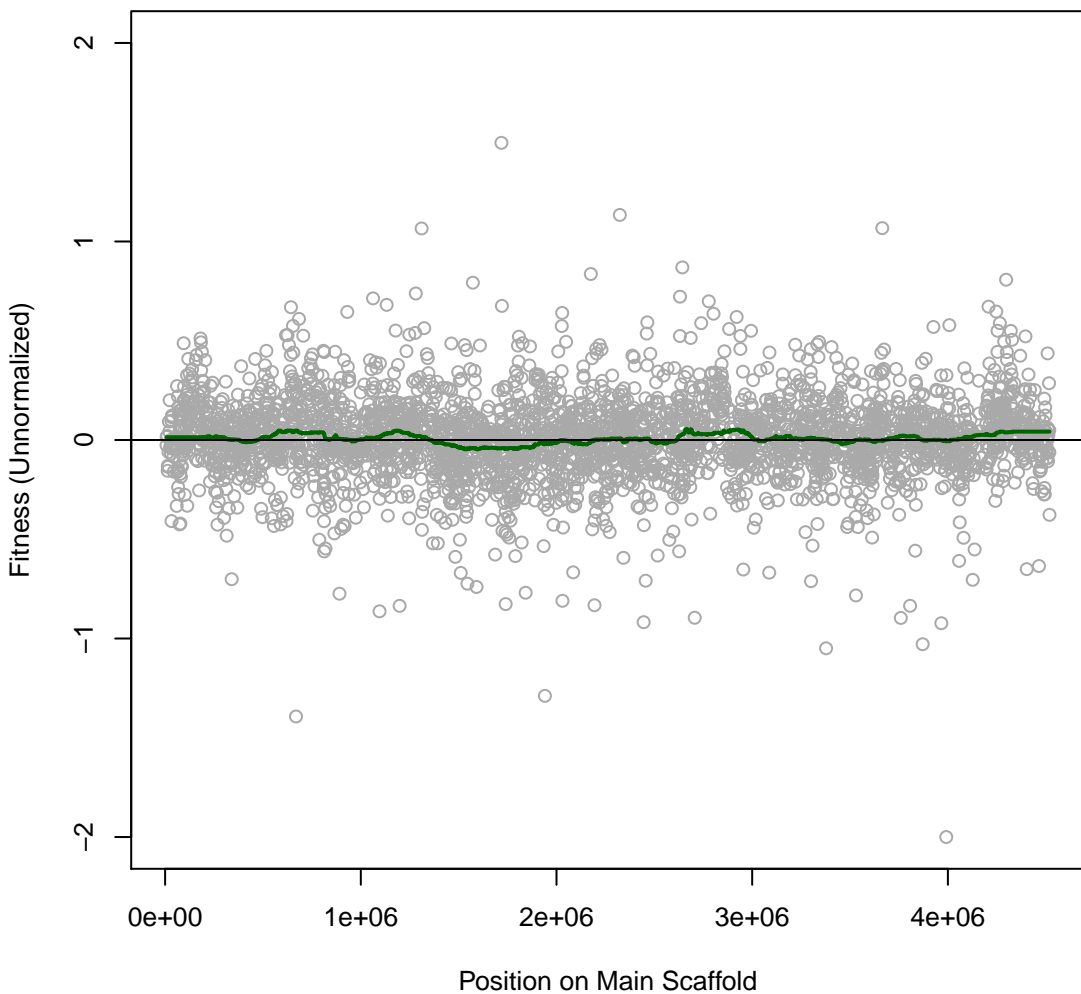
**Cup4G11 6IT092 #284 (gMed=346 rho12=0.032)**  
**Time0**



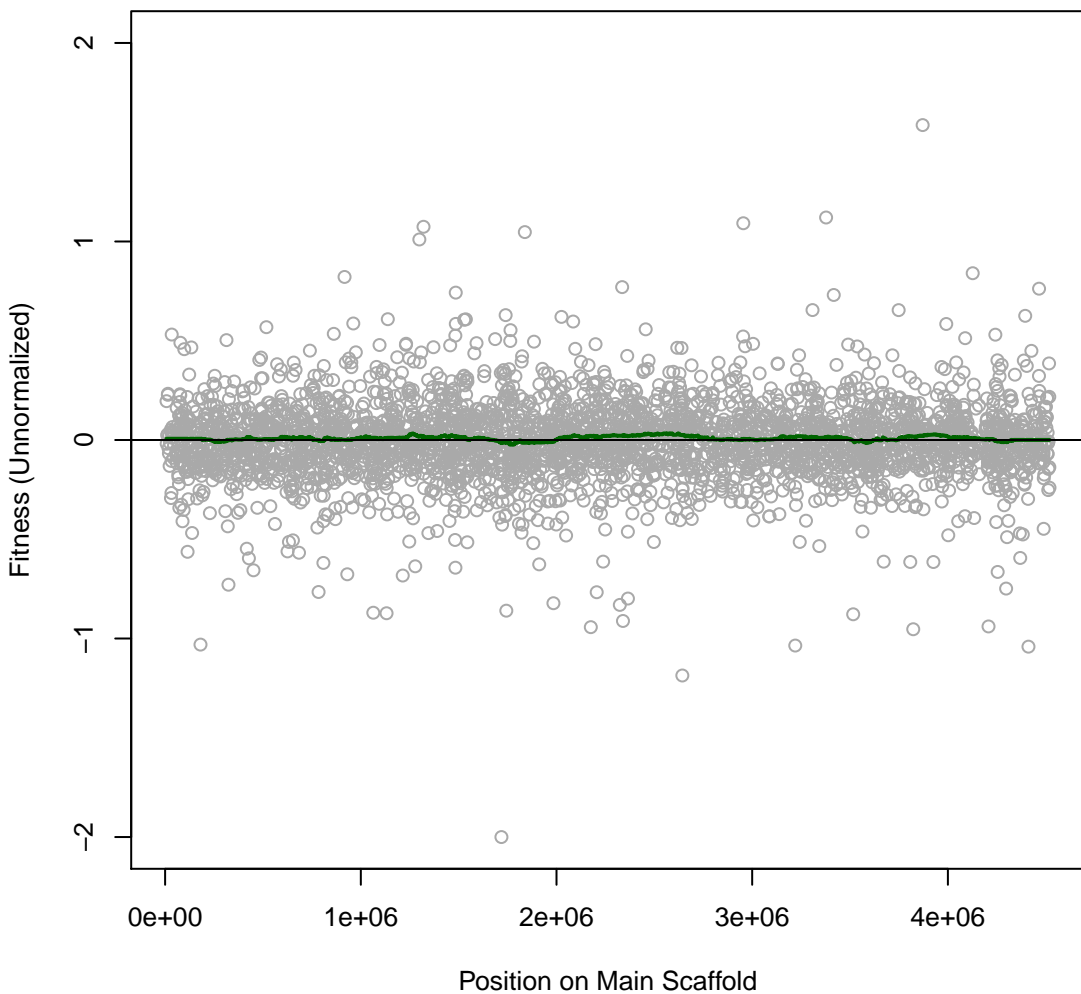
**Cup4G11 6IT093 #285 (gMed=362 rho12=0.009)**  
**Time0**



**Cup4G11 6IT094 #286 (gMed=337 rho12=0.074)**  
**Time0**

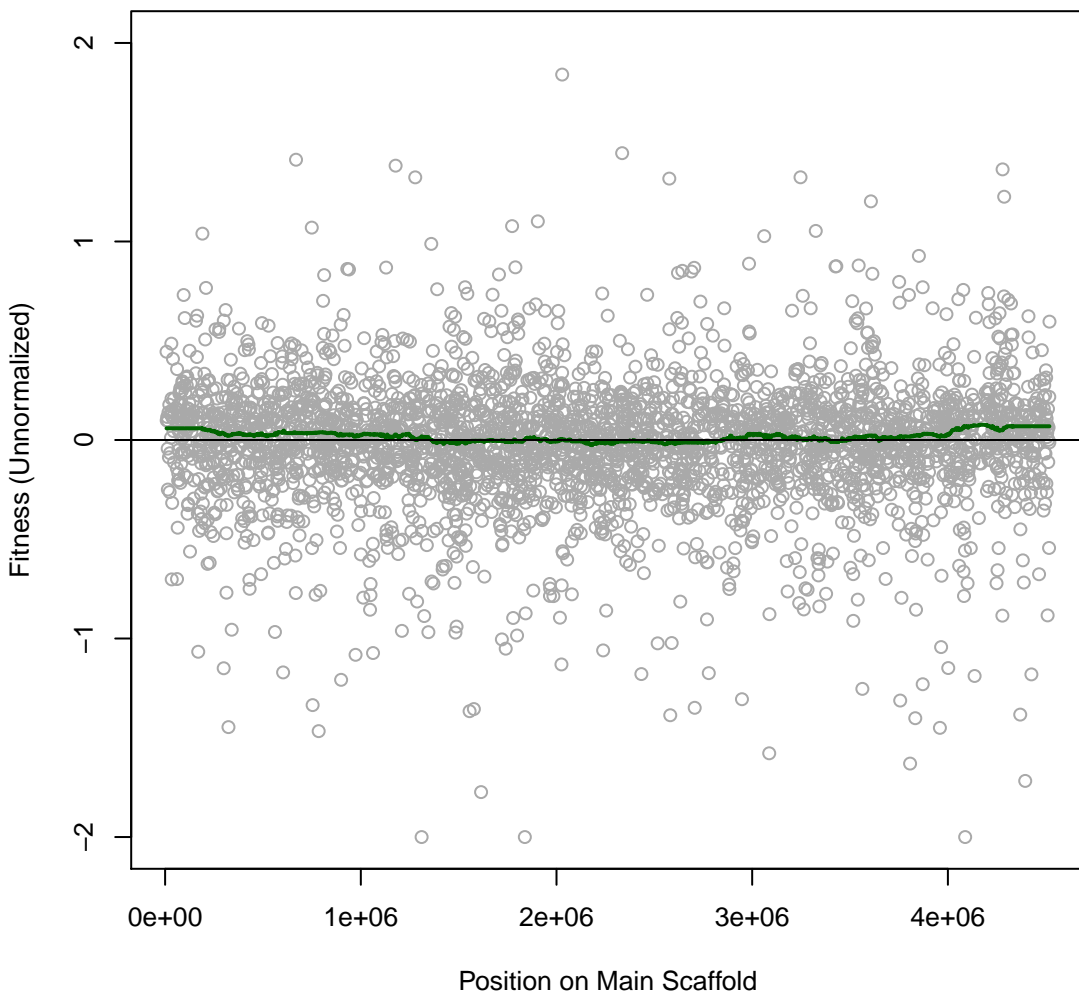


**Cup4G11 6IT095 #287 (gMed=351 rho12=0.014)**  
**Time0**

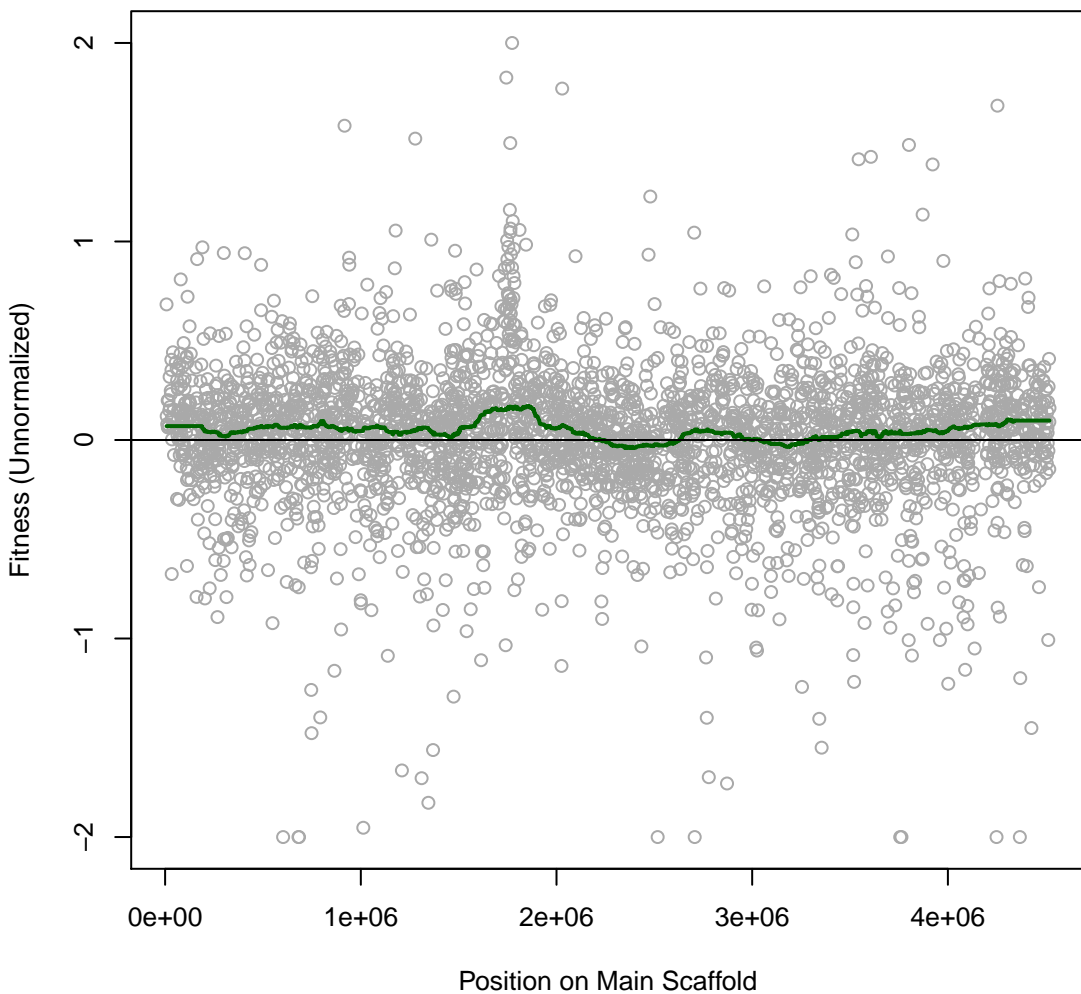


**Cup4G11 7IT094 #290 (gMed=149 rho12=0.040)**

**Ionizing radiation, 0 Gy**



**Cup4G11 7IT095 #291 (gMed=159 rho12=0.087)**  
**Ionizing radiation, 63.294 Gy,**



**Cup4G11 7IT096 #292 (gMed=173 rho12=0.082)**  
**Ionizing radiation, 63.294 Gy,**

